

COMPACT HI-FI COMPONENT SYSTEM

R-K711-B

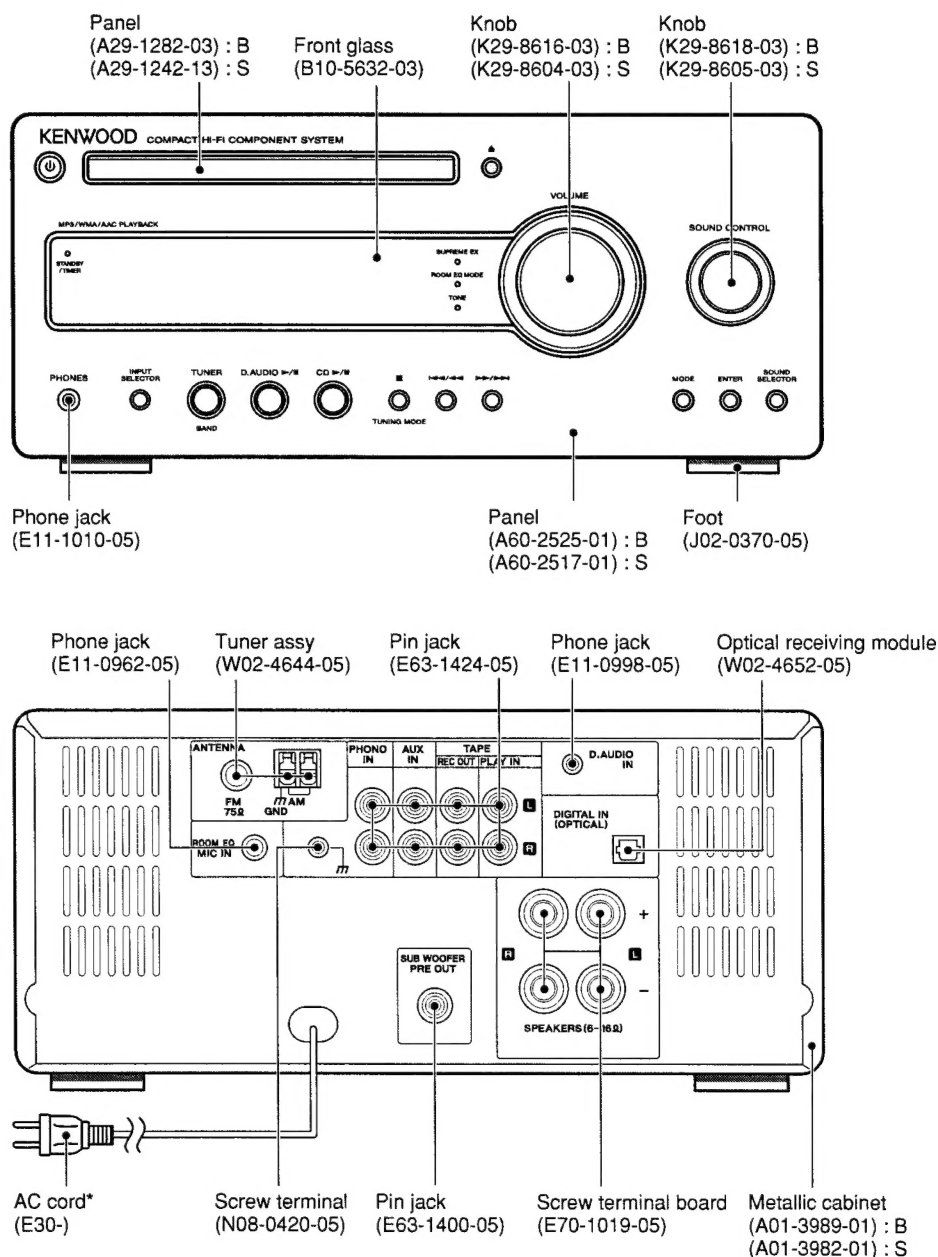
R-K711-S

SERVICE MANUAL

KENWOOD

Kenwood Corporation

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B53-4019-00 (N/J) 122



B: Black

S: Silver

* Refer to parts list on page 40.

DANGER:

Please do not look at the laser beam directly during repair or operation check.

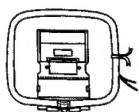
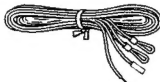

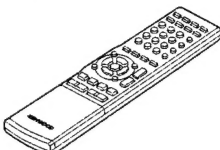

This product uses Lead Free solder.
This product complies with the **RoHS** directive for the European market.



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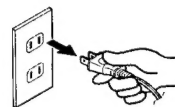
ACCESSORIES / CAUTIONS

Accessories

AM loop antenna (T90-0893-05) (1)	FM indoor antenna (T90-0877-05) (1)	Microphone for Room Equalizer (Cord length: Approx. 5 m: 1) (T29-0011-05)	Remote control (RC-RP0705E: 1) (A70-1723-05)	Batteries for the remote control (R03: 2)
				

Resetting the microcomputer

Symptoms	Solution
Microcomputer malfunction (the system does not work, the display is faulty, etc.).	<ul style="list-style-type: none"> Malfunctions may occur due to an external cause or because a connection cord was unplugged while the system was turned on. Use the procedure below to reset the microcomputer. <ol style="list-style-type: none"> Unplug the power cord from the AC wall outlet. Plug the power cord back in while holding down the power [P] key on the main unit. When the microcomputer is reset, the display shown on the right appears. <ul style="list-style-type: none"> If you reset the microcomputer with a disc loaded, the disc is automatically ejected. In that case, remove the disc and close the CD tray. Bear in mind that resetting erases any stored information and restores the system's default settings.



INITIALIZE

Supported Audio Files

On this system, you can play CD-ROM, CD-R and CD-RW discs containing the audio file types listed below (MP3, WMA and AAC).

MP3 files

File formats: MPEG 1 Audio Layer 3/ MPEG 2 Audio Layer 3/ MPEG 2 Audio Layer 3, Lower sampling rate (MPEG 2.5)

Extension: .mp3

Sampling frequency:

MPEG 1 Audio Layer 3: 32 kHz/ 44.1 kHz/ 48 kHz

MPEG 2 Audio Layer 3: 16 kHz/ 22.05 kHz/ 24 kHz

MPEG 2.5: 8 kHz/ 11.025 kHz/ 12 kHz

Bit rate:

MPEG 1 Audio Layer 3: 32 kbps – 320 kbps

MPEG 2 Audio Layer 3: 8 kbps – 160 kbps

MPEG 2.5: 8 kbps – 160 kbps

WMA files

File format: Windows Media™ Audio compliant

Extension: .wma

Sampling frequency: 32 kHz/ 44.1 kHz/ 48 kHz

Bit rate: 48 kbps – 192 kbps

- Files created using functions in Windows Media™ Player 9 or later cannot be played.
- WMA Professional
- WMA Lossless
- WMA Voic

AAC files

File format: MPEG-4 AAC (created in iTunes™ 4.1 to 7.3)

Extension: .m4a

Sampling frequency: 16 kHz/ 22.05 kHz/ 24 kHz/ 32 kHz/ 44.1 kHz/ 48 kHz

CAUTIONS

Bit rate: 32 kbps – 320 kbps

- Files encoded using Apple's Lossless Encoder cannot be played.

Disc formats

ISO 9660 Level 1

ISO 9660 Level 2

Joliet

Romeo

File number limitations on discs

Max. files/folders: 512 in total

Max. folders: 255

Files per folder: 255

Maximum number of displayable characters

File names: 64 (including file extension)

Folder names: 64

Tag display (Title/Album/Artist)

ID3 v1.0/ 1.1: 30

ID3 v2.2/ 2.3/ 2.4: 128

- This system is capable of displaying alphanumeric characters. Other character types are displayed as asterisks (*).

Other notes

- Note that even where audio files comply with the above standards, playback may fail due to factors such as the disc characteristics or recording conditions.
- Playback may also fail depending on the specifications of the encoding software or the settings used for encoding.
- DRM (Digital Rights Management) files cannot be played.
- Audio files encoded using VBR (Variable Bit Rate) may use bit rates that fall outside the supported range. Audio files with bit rates outside the supported range cannot be played.
- Apple and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.
- Windows Media is a trademark of Microsoft Corporation registered in the U.S. and other countries.

Notes on transporting or moving the system

Before transporting or moving this system, take the following actions:

- ① Remove any CDs from the unit.
- ② Press the [CD▶II] key and check that the "CD NO DISC" message is displayed.
- ③ Wait a few seconds and then turn the system off.
- ④ If there are any other components connected to the system, check that they are all turned off before disconnecting the cables.

The marking of products using lasers

**CLASS 1
LASER PRODUCT**

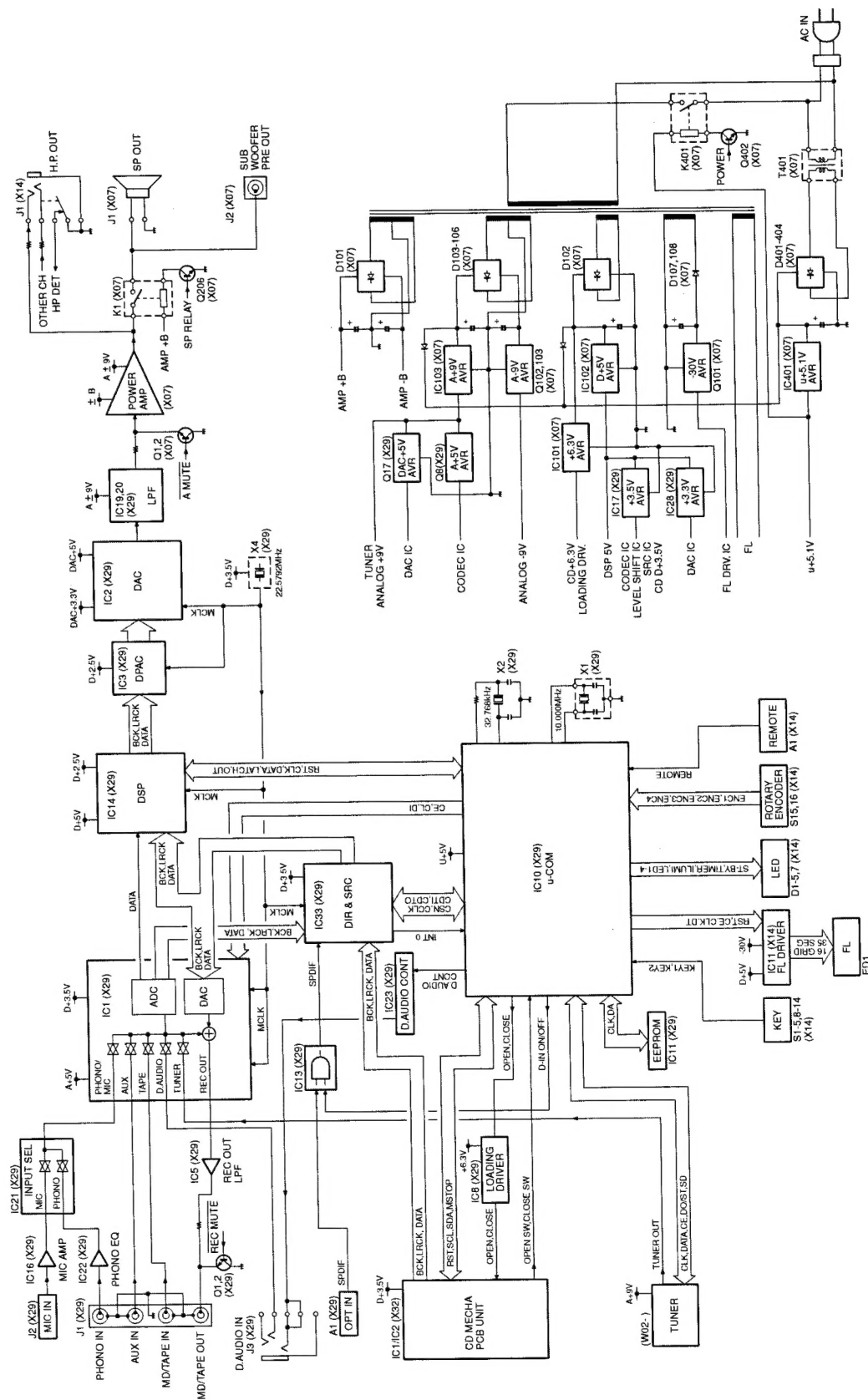
The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Back panel



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BLOCK DIAGRAM



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COMPONENTS DESCRIPTION

● Semiconductor Description (X14-8080-00)

Ref. No.	Parts #	Description	Logic
D1	B30-2597-05	STAND-BY indicator	ON: STAND-BY
D2	B30-2699-05	TIMER indicator	ON: TIMER
D3-5	B30-2545-05	Room EQ Mode (D3), SUPREME (D4), Tone (D5) indicator	ON: Room EQ Mode (D3) ON: SUPREME (D4) ON: Tone (D5)
D7	B30-2684-05 (0-00) B30-2687-05 (0-01)	Illumination LED	ON: Illumination
D9	MTZJ6.8(B)	Cut-off voltage for FL.	-
D10-13	1SS133	Anti-static.	-
Q1-5	DTC114EUA	LED ON/OFF control	ON: LED on
Q6	2SA1576A(R,S)	Constant-current	For D7.
Q7	DTC114EUA	LED ON/OFF control	ON: LED on
Q8,9	IMX1	FL grid current drive	-
IC11	M66005-0001AHP	FL driver.	-

● Semiconductor Description (X29-3100-00)

Ref. No.	Parts #	Description	Logic
D1,2	UDZW5.6(B)	Standard voltage.	Power supply for IC21 (+5.6V).
D3	UDZW2.4(B)	Standard voltage.	Center voltage for IC2.
D4	1SS402-F	Reverse-blocking.	For IC10.
D5	1SS355	Protection for Q5.	-
D6	1SS355	Arranging voltage	Analog +5V of Q8.
D7	UDZW5.1(B)	Standard voltage.	Analog power supply (+5V).
D8	UDZW4.7(B)	Standard voltage.	MIC power supply.
D9	1SS302-F	Anti-static.	-
D10,11	1SS355	Reverse-bias blocking.	5V (IC10), 3.5V (CD-mechanism)
D12	UDZW4.3(B)	Standard voltage.	Power supply for IC2.
D13,14	UDZW18(B)	Short-circuit blocking	-
Q1,2	2SC2878(B)-F	REC-OUT mute.	Mute: on.
Q4	DTA124EUA	REC-OUT control.	Mute: on.
Q5	2SC4081(R,S)	Inverted reset signal.	-
Q6	2SA954-A(L,K)	Power supply.	Power supply for IC14.
Q7	DTC124EUA	REC-OUT control.	Mute: off.
Q8	2SC2003-A(L,K)	Power supply.	Analog +5V.
Q9	DTA143TSA	Power supply on/off for MIC	Auto Room EQ: on.
Q12-14	UMG11N	D.AUDIO control.	-
Q15	DTC123JUA	D.AUDIO control.	-
Q16	2SK879-F(Y,GR)	Constant current.	Power supply for IC2.
Q17	2SD1963(R,S)	Power supply.	Power supply for IC2.
Q18	2SA1576A(R,S)	Power supply feedback.	Power supply for IC2.
Q19	2SC4081(R,S)	Power supply feedback.	Power supply for IC2.

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COMPONENTS DESCRIPTION

Ref. No.	Parts #	Description	Logic
IC1	WM8776SEFT/RV	CODEC	Analog signal selector & ADC + DAC for REC-OUT.
IC2	WM8716SEDS/R	DAC	-
IC3	74HC175PW	D-flip flop.	DPAC (jitter decrease of digital audio).
IC5	NJM4565MD-ZB	Operational amp.	LPF for DAC in IC1.
IC7	XC61CN4002MRN	Voltage detection.	Reset signal for IC10.
IC8	TA8409SG(J)	Motor drive.	For CD mechanism.
IC10	M30622MGPE56GP	Microprocessor.	System control.
IC11	M24C08-RDW6TP	EEPROM	Memory for backup.
IC13	74AHC1G08GW	2-input AND gate.	Optical signal on/off.
IC14	AD1940YSTZRL	Σ DSP	Audio processor.
IC16	NJM4565MD-ZB	Operational amp.	MIC amp.
IC17	XC6203P352FR1	3.5V regulator.	Digital +3.5V.
IC19,20	NJM4565MD-ZB	Operational amp.	LPF for IC2.
IC21	CD4052BPWR	Analog switch.	Selector MIC/PHONO.
IC22	NJM4580ED-ZB	Operational amp.	PHONO equalizer.
IC23	CD4051BM96	Analog switch.	D.AUDIO control.
IC28	XC6219B332MRN	3.3V regulator.	Digital power supply for IC2's digital circuit.
IC29	NJM4565MD-ZB	Operational amp.	Center voltage memory for IC2's analog circuit.
IC32	TC74HCT7007FF	HEX. Buffers	Level shift. 3.3V (IC14, IC33)→5V (IC10)
IC33	AK4122VQ	Digital Interface Receiver (DIR) + SRC (Sample Rate Converter)	Digital input port (DIR) + Fs conversion (SRC) to 88.2kHz.

CIRCUIT DESCRIPTION

● AD1940YSTZRL Audio Processor (IC14; X29) Port Description

Pin #	Port name	I/O	Description	Logic
1	VDD	-	Core power.	
2	MCLK	I	Master clock input port.	
3	RESERVED	-	Connected to ground.	
4	PPL_CTRL0	I	PLL control 0	
5	PPL_CTRL1	I	PLL control 1	
6	PPL_CTRL2	I	PLL control 2	
7	PPL_GND	-	PLL ground.	
8	PPL_VDD	-	PLL power.	
9	NC	-	-	
10	LRCLK_IN	I	L-ch/R-ch clock for serial or TDM data input port.	
11	BCLK_IN	I	Bit clock for serial or TDM data input port.	
12	GND	-	Digital ground.	
13	VDD	-	Core power.	
14	SDATA_IN0	I	Serial data input port 0.	
15	SDATA_IN1	I	Serial data input port 1.	
16	SDATA_IN2/TDM_IN1	I	Serial data input port 2/TDM input port 1.	
17	SDATA_IN3/TDM_IN0	I	Serial data input port 3/TDM input port 0.	
18	ADR_SEL	I	Control port address selector port.	
19	COUT	O	SPI data output port.	
20	CCLK	I	SPI clock.	
21	CLATCH	I	SPI data latch.	
22	CDATA	I	SPI data input port.	
23	RESETB	I	Reset AD1940.	
24	GND	-	Digital ground.	
25	VDD	-	Core power.	
26	LRCLK_OUT0	I/O	L-ch/R-ch clock output port 0.	
27	BCLK_OUT0	I/O	Bit clock output port 0.	
28	ODVDD	-	Power connection for output port.	
29	SDATA_OUT0/TDM_O0	O	Serial data output port 0/TDM (16- or 8-ch) output port 0.	
30	SDATA_OUT1	O	Serial data output port 1.	
31	SDATA_OUT2	O	Serial data output port 2.	
32	SDATA_OUT3	O	Serial data output port 3.	
33	ODVDD	-	Power connection for output port.	
34	LRCLK_OUT1	I/O	L-ch/R-ch clock output port 1.	
35	BCLK_OUT1	I/O	Bit clock output port 1.	
36	GND	-	Digital ground.	
37	VDD	-	Core power.	
38	SDATA_OUT4/TDM_O1	O	Serial data output port 4/TDM (8-ch) output port 1.	
39	SDATA_OUT5	O	Serial data output port 5.	
40	ODVDD	O	Power connection for output port.	
41	SDATA_OUT6	O	Serial data output port 6.	
42	SDATA_OUT7/DCSOUT	O	Serial data output port 7/data capture output port.	

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CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
43	INVDD	-	Input voltage reference.	
44	VSUPPLY	I	Voltage level input to regulator. (3.3 to 5V)	
45	VSENSE	I	Digital power level. (VDD)	
46	VDRIVE	O	Drive for external PNP transistor.	
47	VREF	O	Reference level for voltage regulator.	
48	GND	-	Digital ground.	

Note: book referred to maker's semiconductor handbook

● BA5824FP 4-channels BTL Driver (IC2; X32) Port Description

Pin #	Port name	I/O	Description	Logic
1	BIAS	-	Bias.	
2	DMIN-	I	Inverted input port of disk motor amp.	
3	DM_O	O	Output port of disk motor amp.	
4	SLIN+	I	Input port of sled (feed) motor amp.	
5	SLIN-	I	Inverted input port of sled (feed) motor amp.	
6	SL_O	O	Output port of sled (feed) motor amp.	
7	PREGND	-	GND	
8	GND1	-	GND	
9	MUTE	I	Mute signal input port.	L: Mute.
10	PGND1	-	GND	
11	PVCC1	-	Power supply.	
12	SLD-	O	Negative output port to sled motor.	
13	SLD+	O	Positive output port to sled motor.	
14	DM-	O	Negative output port to disc motor.	
15	DM+	O	Positive output port to disc motor.	
16	TRK+	O	Positive output port to tracking coil.	
17	TRK-	O	Negative output port to tracking coil.	
18	FCS+	O	Positive output port to focus coil.	Upwards
19	FCS-	O	Negative output port to focus coil.	Downwards
20	PVCC2	-	Power supply.	
21	PGND2	-	GND	
22	CNT	-	Control port.	
23	GND2	-	GND	
24	LDIN	I	Loading signal input port.	
25	FO_O	O	Output port of focus coil amp.	
26	FOIN-	I	Inverted input port of focus coil amp.	
27	FOIN+	I	Input port of focus coil amp.	
28	TR_O	O	Output port of tracking coil amp.	
29	TRIN-	I	Inverted input port of tracking coil amp.	
30	PREVCC	-	Power supply.	

Note: book referred to maker's semiconductor handbook

CIRCUIT DESCRIPTION

● M30622MGP Main Processor (IC10; X29) Port Description

Pin #	Port name	I/O	Description	Logic
1	FL_CE	O	Chip Enable signal output port to FL driver.	
2	POWER	O	Control signal output port to Power relay.	
3	COD_DI	O	Data output port to CODEC (WM8776SEFT/RV).	
4	COD_CE	O	Latch signal output port to CODEC (WM8776SEFT/RV).	
5	COD_CL	O	Clock signal output port to CODEC (WM8776SEFT/RV).	
6	BYTE	I	8 or 16 bit selector input port.	L=16Bit, H=8Bit
7	CNVSS	-	GND	
8	XCIN	I	Crystal oscillator connecting port to Timer. (32.768kHz)	
9	XCOUT	O	Crystal oscillator connecting port to Timer. (32.768kHz)	
10	/RESET	I	Reset signal input port for microprocessor.	L=Reset
11	XOUT	O	Main clock oscillator connecting port. (10MHz)	
12	VSS	-	GND	
13	XIN	I	Main clock oscillator connecting port. (10MHz)	
14	VCC1	-	Power supply. +5V, Backup.	
15	NC	I	No connection.	Connect to +5V.
16	CE	I	Chip Enable input port from backup detection.	H=AC ON
17	REMOCON	I	Control signal input port from remote control (interrupt).	
18	RDS_CLK	I	Clock input port from RDS (interrupt).	
19	RDS_DATA	I	RDS data input port.	
20	TU_CLK	O	Clock output port to PLL IC (LV23200T).	
21	TU_DO	I	Data input port from PLL IC (LV23200T).	
22	TU_DATA	O	Data output port to PLL IC (LV23200T).	
23	TU_CE	O	Chip enable output port to PLL IC (LV23200T).	
24	TU_SD	I	SD input port from PLL IC (LV23200T).	
25	ROMCLK	O	Clock output port to Expand ROM.	
26	ROMDATA	O	Data output port to Expand ROM.	
27	CD_uCLK	O	Clock output port to CD drive. (IIC)	
28	CD_uDATA	O	Data output port to CD drive. (IIC)	
29	NC	O	No connection (open).	TXD1: Writing to flash microprocessor.
30	NC	O	No connection (open).	RXD1: Writing to flash microprocessor.
31	NC	O	No connection (open).	CLK1: Writing to flash microprocessor.
32	NC	O	No connection (open).	BUSY: Writing to flash microprocessor.
33	DSP-CDATA	O	Data output port to DSP (AD1940).	
34	DSP-COUT	I	Data input port from DSP (AD1940).	
35	DSP-CCLK	O	Clock output port to DSP (AD1940).	
36	NC	O	No connection (open).	
37	SIMUKE1	I	Model selector input port.	H=E, L=J
38	NC	O	No connection (open).	
39	NC	O	No connection (open).	EPM: Writing to flash microprocessor.
40	/SRC_CDTI	O	Data output port to SRC (AK4122VQ).	
41	SRC_CDTO	I	Data input port from SRC (AK4122VQ).	
42	SRC_CCLK	O	Clock output port to SRC (AK4122VQ).	

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CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
43	/LINE MUTE	O	Line mute output port.	L=MUTE ON
44	NC	O	No connection (open).	CE: Writing to flash microprocessor.
45	REC_OUT_SEL_A	O	LINE OUT (TAPE REC) output selector A.	*1
46	REC_OUT_SEL_B	O	LINE OUT (TAPE REC) output selector B.	*1
47	DSP_RST	O	Reset signal output port to DSP (AD1940).	L=Reset
48	DSP_LATCH	O	Latch signal output port to DSP (AD1940).	
49	PHONO_MIC	O	PHONO/MIC selector port.	H=PHONO, L=MIC
50,51	NC	O	No connection (open).	
52	MIC_DET	I	Mic input signal detection.	H=MIC, L=Other
53	SRC_PDN	O	Power control signal output port to SRC (AK4122VQ).	
54	D_IN_ON_OFF	O	DIGITAL IN ON/OFF control port.	H=Selector Digital-IN (ON), L=other(OFF)
55	A_CONT	O	No connection (open).	
56	PROTECTION	I	Protection signal detection port.	H=Protection, L=Usually
57	/A_MUTE	O	Audio mute signal output port.	L=MUTE ON
58	SP RELAY	O	Speaker-relay control signal output port.	
59	HP DET	I	Headphone detection port.	H=HP IN, L=HP OFF
60	VCC2	-	Power supply. +5V, Backup.	
61	/SW MUTE	O	Mute control signal output port for Sub woofer.	L=MUTE ON
62	VSS	-	GND	
63	NC	O	No connection (open).	
64	SRC_CSN	O	Chip selector of SRC(AK4122VQ).	
65	/OPEN SW	I	CD tray OPEN detection.	L=SW ON
66	LO-	O	Control signal of tray open/close.	H=OPEN
67	/CLOSE SW	I	CD tray CLOSE detection.	L=SW ON
68	LO+	O	Control signal of tray open/close.	H=CLOSE
69	HDD_A	O	Control signal -A output port to D.AUDIO.	
70	CD RST	O	CD drive reset signal output port.	
71	MSTOP	O	Control signal output port to CD DSP standby.	
72	SRC_INT0	I	Unlock signal input port from SRC (AK4122VQ).	
73	NC	O	No connection (open).	
74	HDD_B	O	Control signal -B output port to D.AUDIO.	
75	HDD_C	O	Control signal -C output port to D.AUDIO.	
76	STANDBY LED	O	Control port to STANDBY LED.	H=ON, L=OFF
77	TIMER LED	O	Control port to TIMER LED.	H=ON, L=OFF
78	ROOM_EQ_MODE_LED	O	Control port to SOUND ROOM EQ MODE LED.	
79	SUPREME_LED	O	Control port to SUPREME EX LED.	
80	TONE_LED	O	Control port to SOUND TONE LED.	
81	NC	O	No connection (open).	
82	ILLUMI LED	O	Control port to Illumination LED.	
83	ENC1(VOL)	I	Volume encoder signal input port-A.	
84	ENC2(VOL)	I	Volume encoder signal input port-B.	
85	ENC3(SOUND)	I	Sound control encoder input port-A.	

CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
86	ENC4(SOUND)	I	Sound control encoder input port-B.	
87-89	NC	O	No connection (open).	
90	A+5_PROT	I	Voltage protection detection port.	Protection works in 0V-2.27V (00H-79H). Not work in 2.4V-4.8V (80H-FFH).
91	TH	I	Thermal protection detection port.	Protection works in 0V-1.28V (00H-44H).
92	KEY1	I	key-1 signal input port. (A-D)	
93	KEY2	I	key-2 signal input port. (A-D)	
94	AVSS	I	GND	
95	NC	O	No connection (open).	
96	VREF	-	Standard voltage input port from ad converter.	+5V
97	AVCC	-	Power supply of ad converter. (backup)	
98	/FL RST	O	Reset signal output port to FI-driver (M66005-0001AHP).	L=Reset
99	FL DATA	O	Data output port to FI-driver (M66005-0001AHP).	
100	FL CLK	O	Clock signal output port to FI-driver (M66005-0001AHP).	

KEY MATRIX (A/D) INPUT

INPUT		KEY1	KEY2
(V)	(HEX)	PIN# 92 (AN2)	PIN# 93 (AN1)
0.00~0.26	00H~0EH	OPEN/CLOSE	SKIP UP
0.38~0.98	14H~34H	POWER	SKIP DOWN
1.09~1.69	3AH~5AH	MODE	STOP
1.80~2.34	60H~7DH	ENTER	CD
2.46~3.02	83H~A1H	SOUND SELECT	D.AUDIO
3.13~3.71	A7H~C6H	-	TUNER
3.83~4.39	CCH~EAH	-	INPUT
4.41~4.80	EBH~FFH	KEY OFF	KEY OFF

* Input voltage= 4.8V

● MN6627971 Signal Processor for CD (IC1; X32) Port Description

Pin #	Port name	I/O	Description	Logic
1-7	P96-90	I/O	Input/output port.	
8	SRVMON1	O	TE signal monitoring port	PWM out when Pin # 105 (SRVMON) is H.
9	SRVMON0	O	FE signal monitoring port	PWM out when Pin # 105 (SRVMON) is H.
10	TEST_IN0	I	Model selector port-1.	
11	TEST_IN1	I	Model selector port-2.	
12	NPWDOWN	I	SRAM's holding signal input port for controlling microprocessor/memory system.	L: Hold, H: Usually
13	DVSS3	-	GND-3 for digital circuitry.	
14	SRAMVDD	I	Power supply for controlling memory system.	
15	REGOUT	O	SRAM's regulator port for controlling microprocessor/memory system.	(1.5V)
16	REGVDD	I	SRAM's regulator power supply port for controlling microprocessor/memory system.	(3.3V)

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CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
17	REGON2	I	SRAM's regulator control port for controlling microprocessor/ memory system.	L :STANDBY, H: Usually
18	BOD	O	Drop out signal monitoring port.	
19	OFT	O	Off track signal monitoring port.	
20	TNO_CHG	O	Track change signal output port.	
21	SEQIN	I	Sequencer's mode selector in CD LSI.	H: USB, L: CD or other
22-29	-	-	N.C. (no connection)	
30	STREQ	O	Stream request signal output port.	In media microprocessor working
31	STCLK	I	Stream clock signal input port.	In media microprocessor working
32	STIN	I	Stream data signal input port.	In media microprocessor working
33	BCLK	O	I2S (word clock) output port.	
34	LRCK	O	I2S (audio clock) output port.	
35	SRDATA	O	I2S (audio) output port.	
36	TX	O	Optical output port.	
37	CK16M	O	Master clock output port.	
38-53	-	-	N.C. (no connection)	
54	VSSIC	-	GND	
55	IOVDD1	-	Power supply -1 for digital i/o.	
56	DVDD1	O	Internal digital circuit power supply.	
57	FVDD	-	GND	
58	DVSS1	-	GND-1 for digital circuitry.	
59	REGON	I	Internal control to regulator for internal digital circuitry.	H: ON, L: OFF
60	SPL	O	spindle (disc motor) drive output port.	(Absolute value)
61	-	-	N.C. (no connection)	
62	TVD	O	Traverse drive output port.	
63	SLED_CONT	O	Sled (feed) control signal output port.	H: Pickup travels inwards. Usually in case of input port is high Z
64,65	-	-	N.C. (no connection)	
66	SPEED	O	Control signal for playback speed.	L: High speed, H: Normal speed
67	TRD	O	Tracking coil drive output port.	
68	FCS_CNT	O	Focus control signal output port. (Focus Down)	H: Focus Down. Usually in case of input port is high Z
69	FOD	O	Focus coil drive output port.	
70	/DRV_MUTE	O	Mute signal output port for drivers.	L: Mute on, H: Mute off
71	AVSS2	-	GND for analog circuitry. (DSL, PLL, RF amp)	
72	OSCIN	I	Disturbed servo signal input port.	Usually: VREF
73	CTRCRS	-	External capacitor connection port for track cross comparator.	
74	VREF	-	RF reference voltage output port.	
75	E	I	Tracking signal input port-1.	
76	F	I	Tracking signal input port-2.	
77	D	I	Focus signal input port-4.	
78	B	I	Focus signal input port-2.	
79	C	I	Focus signal input port-3.	

CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
80	A	I	Focus signal input port-1.	
81	PD	I	APC amp input port.	
82	LD	O	Laser drive current output.	
83	CENV	-	External capacitor connection port for detection circuit.	
84	RFENV	O	RF envelope output port.	
85	RFOUT	O	RF summing amp output port.	
86	RFIN	I	AGC signal input port.	
87	AVDD2	-	Power supply for analog circuitry. (DSL, PLL, RF amp)	
88	ARFDC	-	External capacitor connection port for ADC.	
89	ARFOUT	O	AGC output port.	
90	ARFFB	-	ARF feedback signal input port.	
91	ARFIN	I	RF signal input port.	
92	DSLIF	-	DSL's loop filter port.	
93	IREF	I	Analog reference current input port.	
94	PLLIF	O	PLL's loop filter (phase comparator)	
95	PLLFO	O	PLL's loop filter (speed comparator)	
96	VCOF	O	Loop filter of VCO for free-jitter.	
97	OUTL	O	L-ch audio amp output port.	
98	AVSS1	-	Amp's GND.	
99	AVREF	O	Reference voltage port of amp.	
100	AVDD1	-	Power supply port of amp.	
101	OUTR	O	R-ch audio amp output port.	
102	TEST	-	Test mode setting port-1.	Fix to L level.
103	CSEL	I	Oscillator selector port.	L: 16.9344MHz, H: 33.8688MHz
104	PWMSEL	I	PWM output selector.	L: Direct PWM, H: 3-value PWM
105	SRVMONON	I	Servo monitor control signal input port.	L: Mute, H: Output
106	SEQMODE	I	Internal CD microprocessor selector.	H: Non-internal processor, L: Internal processor
107	/RST	I	LSI resetting signal input port.	L: Reset
108	IOVDD2	-	Power supply -2 for digital i/o.	
109	X1	I	Crystal oscillator input port.	33.8688MHz
110	X2	O	Crystal oscillator output port.	
111	DVSS2	-	Power supply -2 for digital i/o.	
112	MX1	I	Microprocessor's crystal oscillator input port.	N.C. (no connection)
113	MX2	O	Microprocessor's crystal oscillator output port.	N.C. (no connection)
114	IOVDD3	-	Power supply -3 for digital i/o.	
115	MXSEL	I	Microprocessor's clock selector.	L: X1-X2, H: MX1-2
116	DATA	I/O	IIC i/o data.	
117	OCDSEL1	I	-	
118	CLK	I	IIC i/o clock.	
119	E2P_SDA	I/O	EEPROM's data for ROM correction.	
120	E2P_SCL	I	EEPROM's clock for ROM correction.	
121	OCDSEL	I	On chip debug setting port.	L: Debug, H: Usually.

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CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
122	CD_MSTAT	-	Decoder status input port.	In media microprocessor working
123	CD_MDATA	I	Data signal for controlling decoder.	
124	CD_MCLK	I	Clock signal for controlling decoder.	
125	CD_MLD	I	Data loading signal for controlling decoder.	
126	/MSTOP	I	MS STOP monitoring port.	Microprocessor is STOP when low-edge going.
127	DVDD2	-	Power supply -2 for digital.	
128	/SLT SW	I	Start-limit switch signal input port.	H: SW OFF, L: SW ON

Note: book referred to maker's semiconductor handbook

● TA8409SG DC Motor Full Bridge Driver (IC8; X29) Port Description

Pin #	Port name	I/O	Description	Logic
1	IN2	I	Input port.	
2	VCC	-	Power supply for logic circuitry.	
3	OUT2	O	Output port.	
4	NC	-	-	
5	GND	-	GND	
6	VS	-	Power supply for output circuitry.	
7	OUT1	O	Output port.	
8	VREF	-	Power supply for control circuitry.	
9	IN1	I	Input port.	

Note: book referred to maker's semiconductor handbook

● WM8716 24-bit,192kHz Stereo DAC (IC2; X29) Port Description

Pin #	Port name	I/O	Description	Logic
1	LRCIN	I	Sample rate clock input port.	
2	DIN	I	Audio data serial input port.	
3	BCKIN	I	Audio data bit clock input port.	
4	CLKO	O	Oscillator buffered output port (system clock).	
5	XTI	I	Oscillator input port.	
6	XTO	O	Oscillator output port.	
7	DGND	-	Digital ground.	
8	DVDD	-	Digital power supply.	
9	AVDDR	-	Analog power supply.	
10	AGNDR	-	Analog ground.	
11	VMIDR	O	Mid rail right channel.	
12	MODE8X	I	Internal pull-down, active high, 8 x fs mode.	
13	VOUTr	O	R-ch DAC output port.	
14	AGNDR	-	Analog ground.	
15	AVDD	-	Analog power supply.	
16	VOUtl	O	L-ch DAC output port.	
17	DIFFHW	I	Internal pull-down, active high, differential mono mode.	
18	VMIDL	O	Mid rail left channel.	

CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
19	AGNDL	-	Analog ground.	
20	AVDDL	-	Analog power supply.	
21	ZERO	O	Infinite zero defect-active low. Open drain type output with active pull-down.	
22	RSTB	I	Reset input-active low. Internal pull-up.	
23	CSBIWO	I	Word Length.	L: 16 bit data, H: 20 or 24 bit IIS data
24	MODE8X	I	Hardware mode.	L: Hardware mode
25	MUTEB	I	Mute mode.	L: Soft mute, H: Normal operation, Z: auto mute
26	MD/DM0	I	De-emphasis mode-0	
27	MC/DM1	I	De-emphasis mode-1	
28	ML/I2S	I	Audio serial format.	L: Right justified, H: IIS

Note: book referred to maker's semiconductor handbook

● WM8776 24-bit,192kHz Stereo Codec (IC1;X29) Port Description

Pin #	Port name	I/O	Description	Logic
1	AIN2L	I	Channel 2 left input multiplexer virtual ground.	
2	AIN1R	I	Channel 1 right input multiplexer virtual ground.	
3	AIN1L	I	Channel 1 left input multiplexer virtual ground.	
4	DACBCLK	I/O	DAC audio interface bit clock.	
5	DACMCLK	I	Master DAC clock; 256, 384, 512 or 768fs (fs=word clock frequency)	
6	DIN	I	DAC data input port.	
7	DACLRC	I/O	DAC left/right word clock.	
8	ZFLAGR	O	DAC R-ch zero flag output port (external pull-up resistor required)	
9	ZFLAGL	O	DAC L-ch zero flag output port (external pull-up resistor required)	
10	ADCBCLK	I/O	ADC audio interface bit clock.	
11	ADCMCLK	I	ADC audio interface master clock.	
12	DOUT	O	ADC data output port.	
13	ADCLRC	I/O	ADC left/right word clock.	
14	DGND	-	Digital ground.	
15	DVDD	-	Digital power supply.	
16	MODE	I	Control interface mode selector port (5V tolerant).	
17	CE	I	Serial interface latch signal (5V tolerant).	
18	DI	I	Serial interface data (5V tolerant).	
19	CL	I	Serial interface clock (5V tolerant).	
20	HPOUTL	O	Headphone L-ch output port.	
21	HPGND	-	Headphone ground.	
22	HPVDD	-	Headphone power supply.	
23	HPOUTR	O	Headphone R-ch output port.	
24,25	NC	-	-	
26	VOUTL	O	DAC L-ch output port.	
27	VOUTR	O	DAC R-ch output port.	
28	VMIDDAC	O	DAC midrail decoupling port; 10uF external decoupling.	

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CIRCUIT DESCRIPTION

Pin #	Port name	I/O	Description	Logic
29	DACREFN	I	DAC negative reference input port.	
30	DACREFP	I	DAC positive reference input port.	
31	AUXR	I	DAC mixer R-ch input port.	
32	AUXL	I	DAC mixer L-ch input port.	
33	VMIDADC	O	ADC midrail driver decoupling port; 10uF external decoupling.	
34	ADCREFGND	-	ADC ground and substrate connection.	
35	ACCREFP	O	ADC positive reference decoupling port; 10uF external decoupling.	
36	AVDD	-	Analog power supply.	
37	AGND	-	Analog ground and substrate connection.	
38	AINVGR	I	R-ch multiplexer virtual ground.	
39	AINOPR	O	R-ch multiplexer output port.	
40	AINVGL	I	L-ch multiplexer virtual ground.	
41	AINOPL	O	L-ch multiplexer output port.	
42	AIN5R	I	Channel 5 right input multiplexer virtual ground.	
43	AIN5L	I	Channel 5 left input multiplexer virtual ground.	
44	AIN4R	I	Channel 4 right input multiplexer virtual ground.	
45	AIN4L	I	Channel 4 left input multiplexer virtual ground.	
46	AIN3R	I	Channel 3 right input multiplexer virtual ground.	
47	AIN3L	I	Channel 3 left input multiplexer virtual ground.	
48	AIN2R	I	Channel 2 right input multiplexer virtual ground.	

Note: book referred to maker's semiconductor handbook

● 74HC175PW Quad D-type Flip-Flop (IC3; X29) Port Description

Pin #	Port name	I/O	Description	Logic
1	/MR	I	Master reset input port.	
2	Q0	O	Flip-flop output port.	
3	/Q0	O	Complementary flip-flop output port.	
4,5	D0,1	I	Data input port.	
6	/Q1	O	Complementary flip-flop output port.	
7	Q1	O	Flip-flop output port.	
8	GND	-	Ground.	
9	CP	I	Clock input port.	High edge going
10	Q2	O	Flip-flop output port.	
11	/Q2	O	Complementary flip-flop output port.	
12,13	D2,3	I	Data input port.	
14	/Q3	O	Complementary flip-flop output port.	
15	Q3	O	Flip-flop output port.	
16	VCC	-	Power supply.	

Note: book referred to maker's semiconductor handbook

TEST MODE

These test mode are available on repair items only..

1. DISPLAY

Part A; dot
Part B; segment

2. TUNER TEST MODE

• Setting to test mode

Turn on with pressing "TUNER" key.

• Condition after setting to test mode.

selector	TUNER
Display	All segments and dots are lighted. Release them from light-on by pressing some key on the panel and the remote controller and turned some encoder.
LED	STANDBY led (red) and TIMER led (orange) blink for 500ms period. ROOM EQ, TONE, SUPREME EX and illumination leds are lighted. (Release all leds from light-on by pressing some key on the panel and the remote controller and turned some encoder.)
MAIN Vol LEVEL	40
AUX INPUT LEVEL	0 (ATT 0dB bypas)
DSP SOUND MODE	Off.
TONE	Flat.
Other data	Initialization

Default frequency 98.3MHz.

• Condition in test mode.

key	display A	display B	remarks
ENTER key (cyclic)	MU R***** ↓ EU ** ↓	normal	Shows version of microprocessor and E2PROM.

3. CD TEST MODE

• Setting to test mode

Turn on with pressing "CD/PLAY/PAUSE" key.

• Condition after setting to test mode.

selector	CD
Display	Part A shows CD **, ME ** (CD **: CD microprocessor version, ME: E2PROM version). Version goes out when some key on the panel and the remote controller is pressed and/or turned some rotary encoders.
LED	STANDBY led (red) and TIMER led (orange) blink for 500ms period. Blink in test mode.
MAIN Vol LEVEL	40
AUX INPUT LEVEL	0 (ATT 0dB bypas)
DSP SOUND MODE	All off.
Other data	CD tray comes out after setting CD test mode.

In CD test mode, master clock signals from CD microprocessor will keep to output. In playback and test mode, serial 3-bus data, S/PDIF, analog output will do.

• Condition in test mode.

key	display A	display B	remarks
PLAY/ PAUSE key (cyclic)	05_ **: ** (**: ** Time) ↑ 03 ↓	normal	Pickup moves inwards and tracking servo is on. * Inside ---- time; about 1:30. Tracking servo is off with holding pickup's position.
SKIP-UP key	EX) Tno.01 → Tno.02	normal	Playback from Track No.1 when key is pressed in stop mode.
SKIP-DOWN key	normal	normal	Playback the most outward when key is pressed in stop mode.
SKIP-UP key	Normal	normal	Skip track up/down when key is pressed in playback mode.
SKIP-DOWN key		normal	
ENTER key (cyclic)	SL check ↓ QDATA_ *****	normal	Shows start-limit position when the key is pressed after playback in SKIP-UP/ DOWN (OFF→ON position) Shows Q DATA on display of dot.
MODE key (cyclic)	normal	AUTO ↑ MONO	Switch CD digital signal of IC33 (X29) to pin# 28-30 (3-bus) or pin# 16 (S/PDIF). AUTO: 3-bus MONO: S/PDIF (default; 3-bus)

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TEST MODE / ADJUSTMENT

4. INITIALIZATION FOR SHIPMENT FROM FACTORY

Turn on with pressing "POWER" key.

• Operation

step	display
1. Power on	Display shows "INITIALIZE" in executing. Backup area will be clear.
2. Mechanism initialization	Shows error on display if mechanism and/or switches are malfunction. Tray will be in open if disc loaded.
3. End	In case of no error, the unit will be in turn-off automatically after display shows "STANDBY". STANDBY LED turns on.

Note: It will take 15sec from start to end.

• CD mechanism initialization

- Unit execute the same initialization as turn-on's that.
- In initialization, display shows "CD ERROR" if any trouble.
- Pickup will return to home position.
- In case of loading disc on the tray, start to initialize after tray will open and close.

5. RELEASE TEST MODE

- Turn off the power switch.
- Backup data will be stored.
- In TUNER test mode, press CD PLAY/PAUSE key.
Selector will change to CD mode.

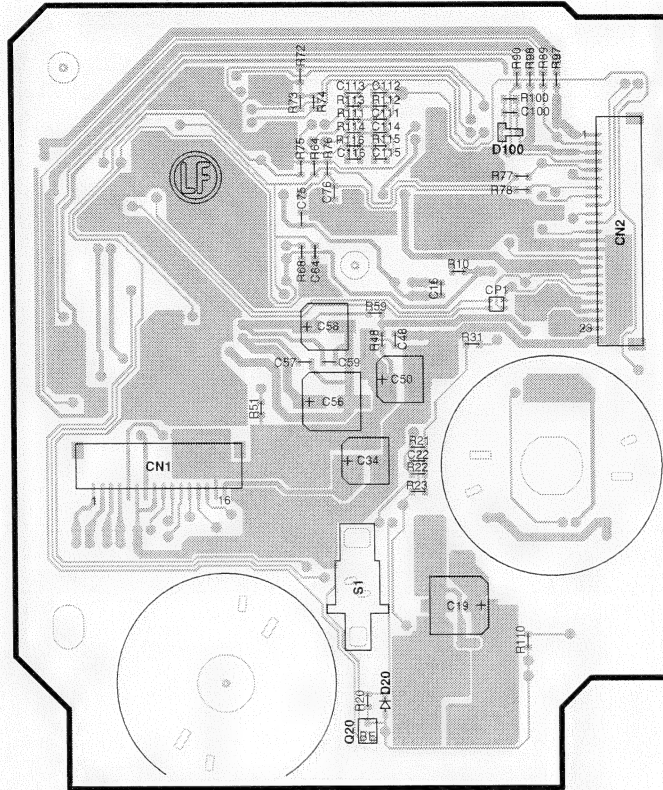
ADJUSTMENT

No	ITEM	INPUT SETTING	OUTPUT SETTING	RECEIVER SETTING	ALIGNMENT POINT	ALIGNMENT SETTING	FIG.
1	IDLE CURRENT (BIAS CURRENT)	No Signal	Connect VOM to CN4-Pin 1 & 2 (L-ch) CN4-Pin 3 & 4 (R-ch) X07-369	VOLUME: Minimum	VR1 (L-ch) VR2 (R-ch) X07-369	8mV	
2	OFFSET	No Signal	Speaker terminals	VOLUME: Minimum	VR3 (L-ch) VR4 (R-ch) X07-369	0+-20mV	

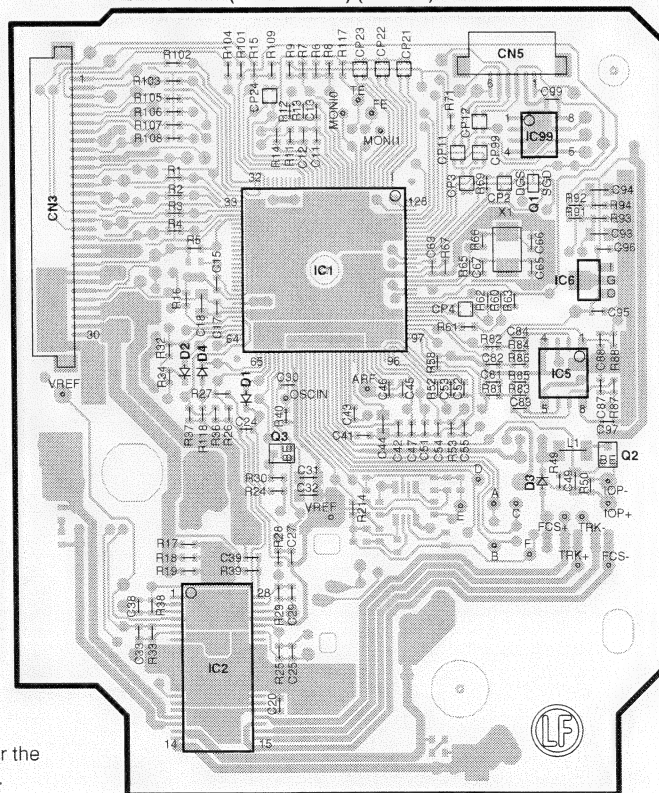
Adjust every potentiometers 10 minutes later after turning on.

PC BOARD

X32-7620-00 (J75-0121-02) (SIDE A)

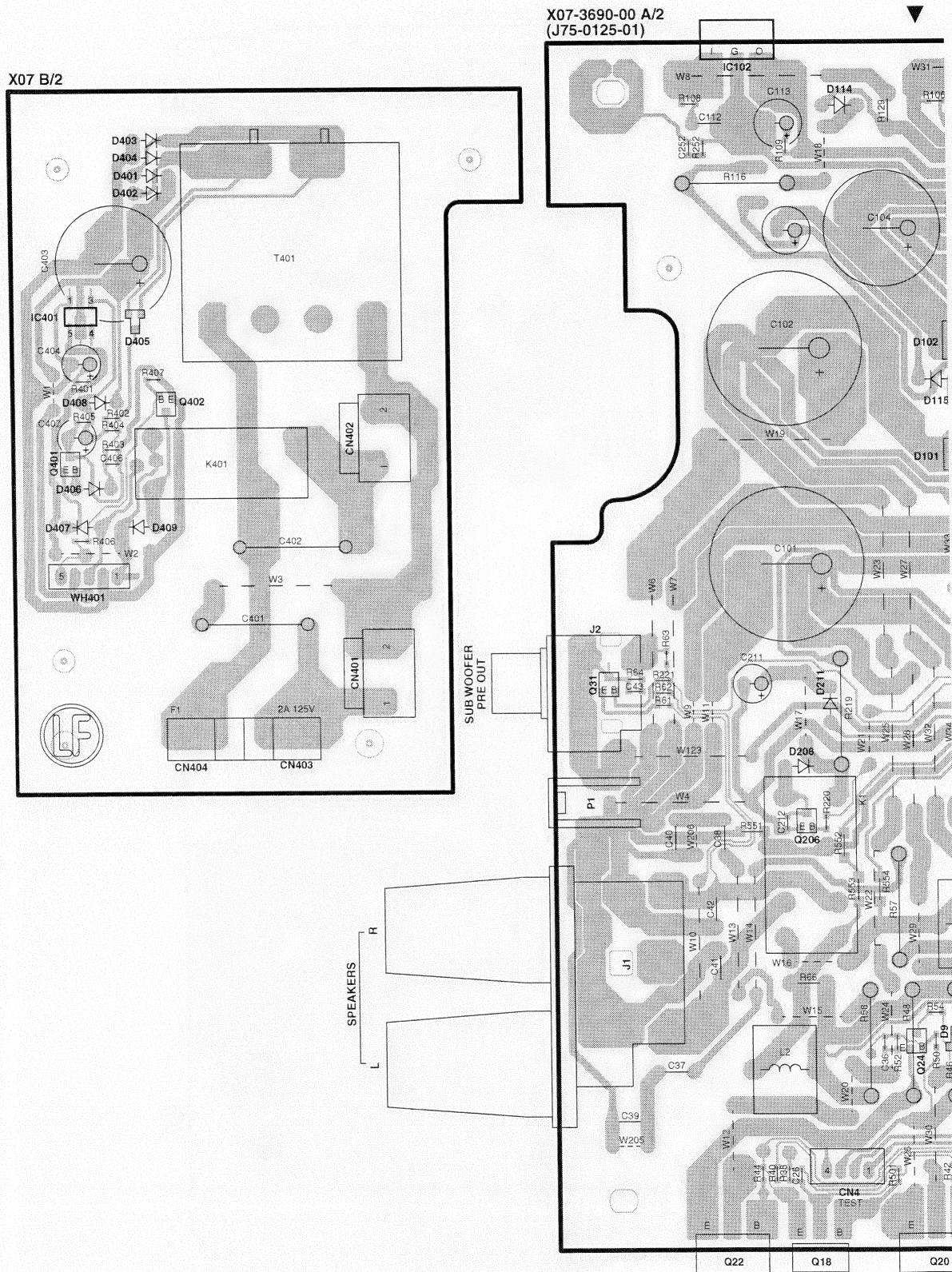


X32-7620-00 (J75-0121-02) (SIDE B)

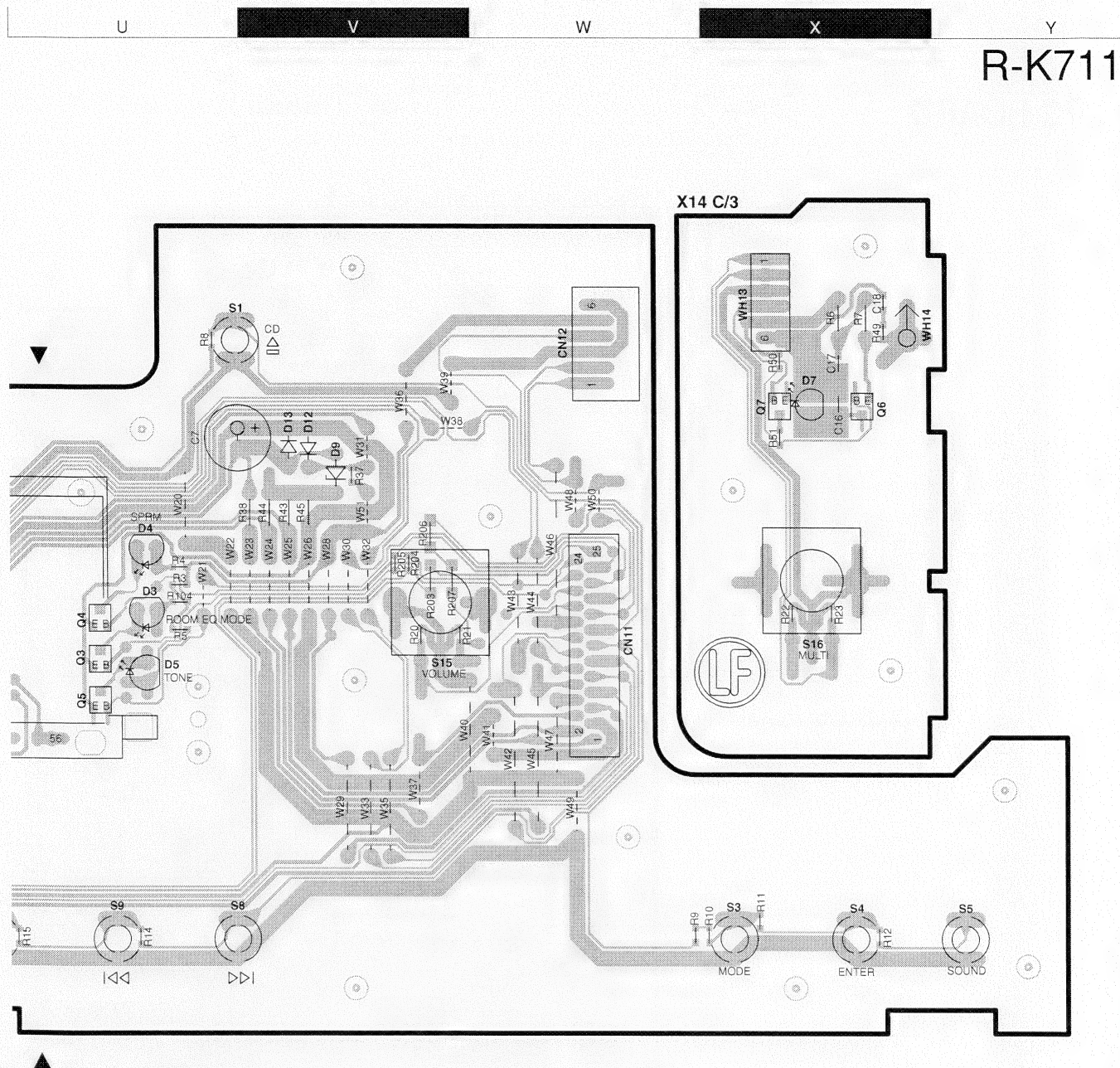


Refer to the schematic diagram for the values of resistors and capacitors.

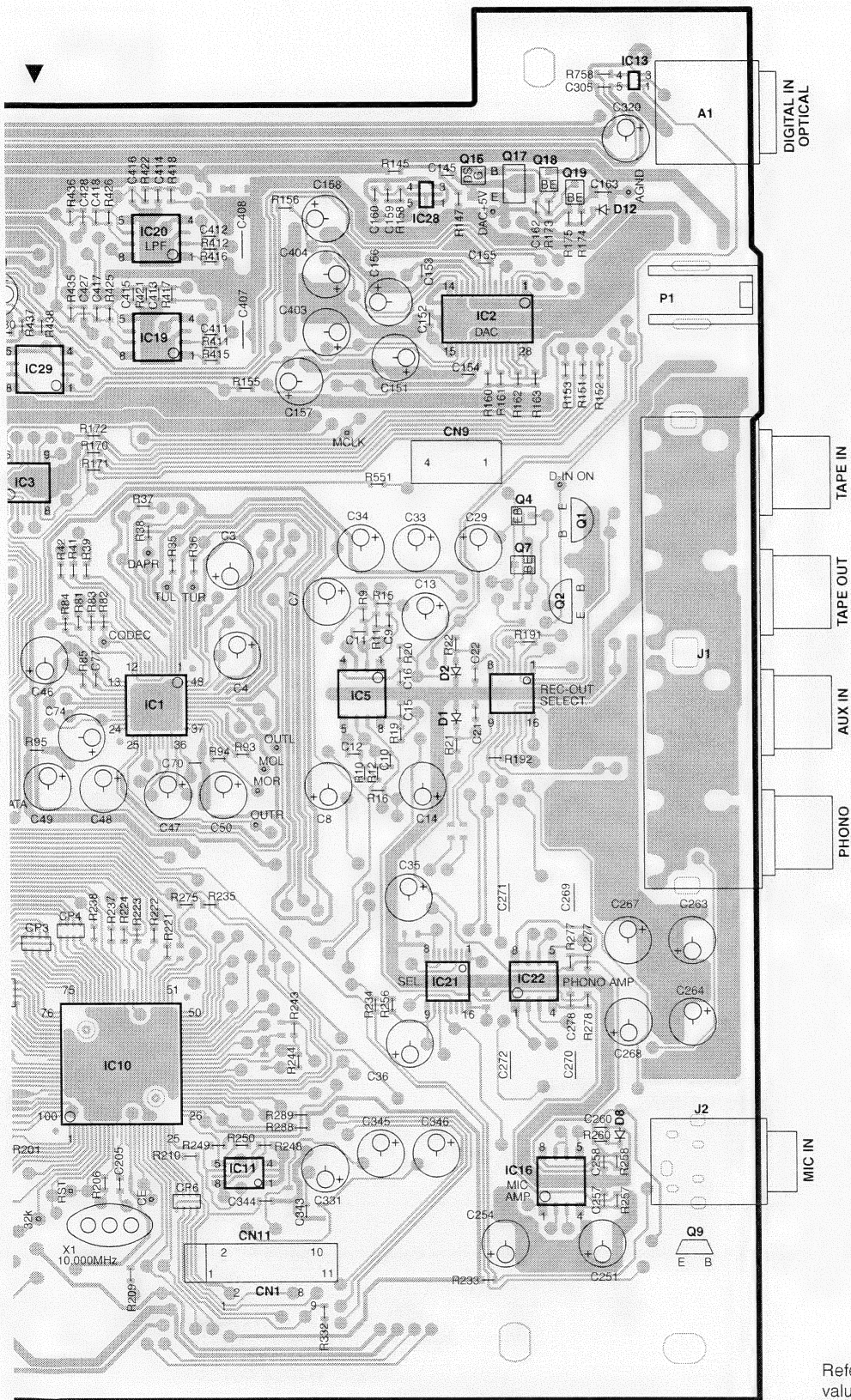
R-K711 PC BOARD





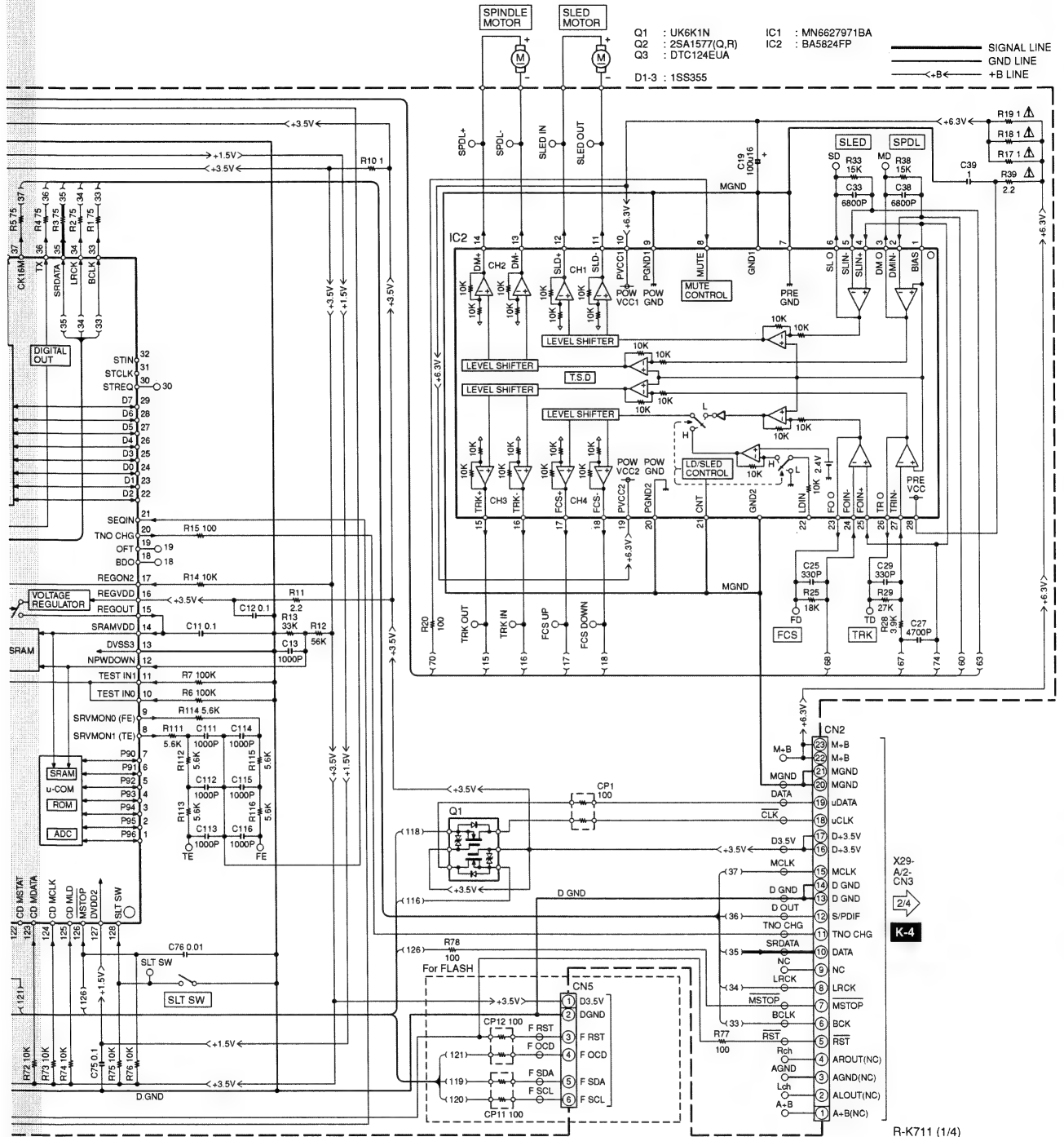


Refer to the schematic diagram for the values of resistors and capacitors.



Refer to the schematic diagram for the values of resistors and capacitors.



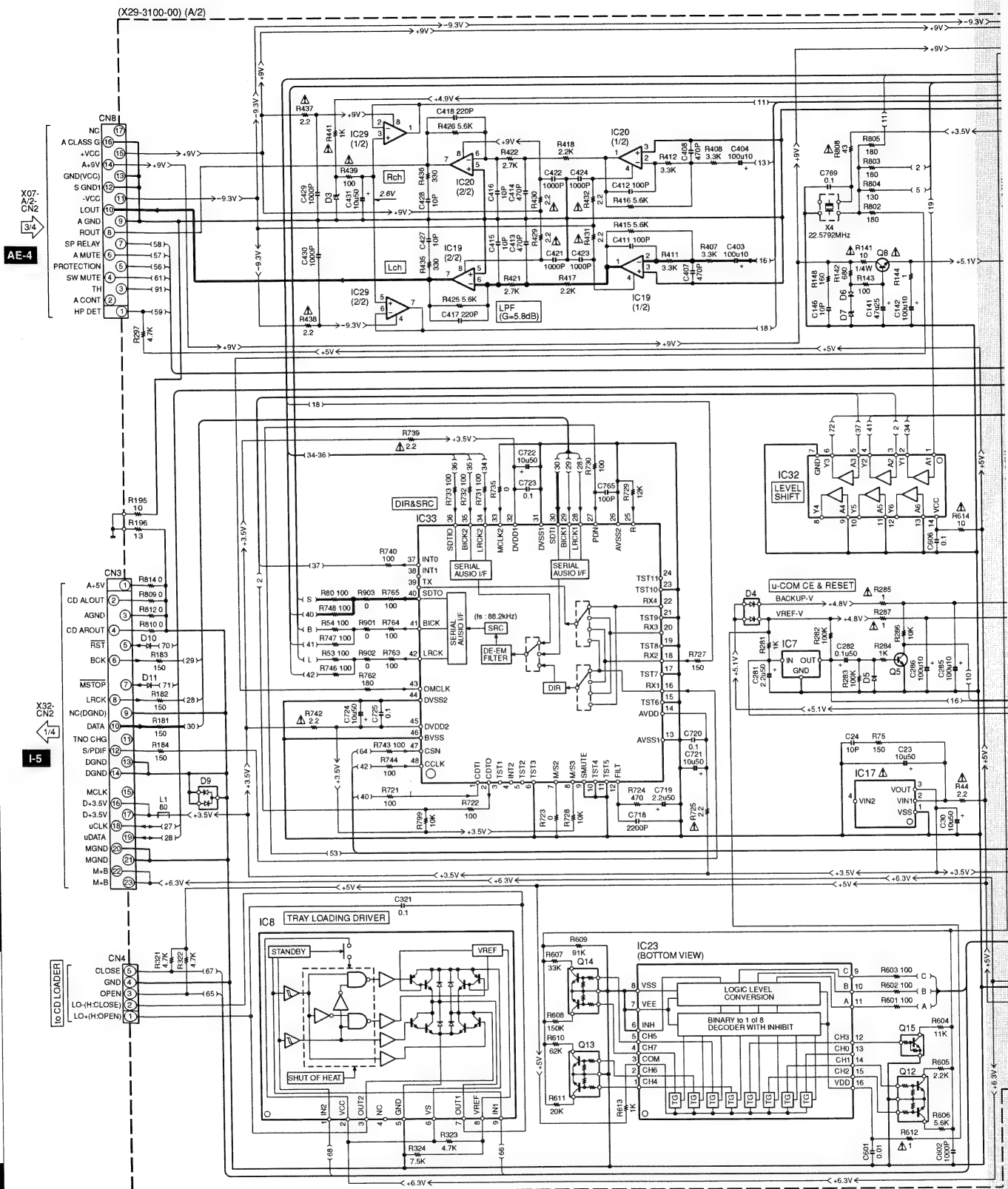


R-K711 (1/4)

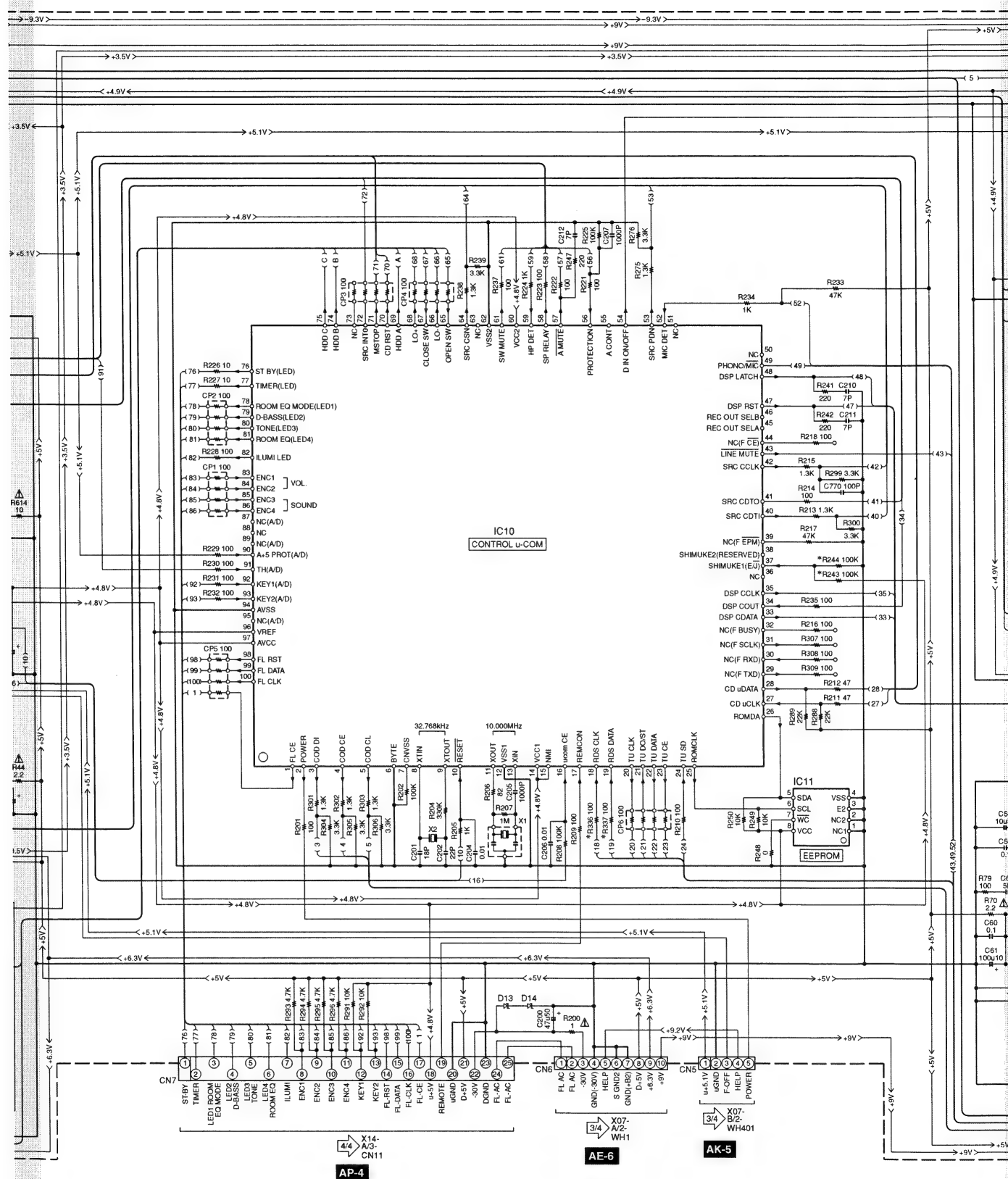
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

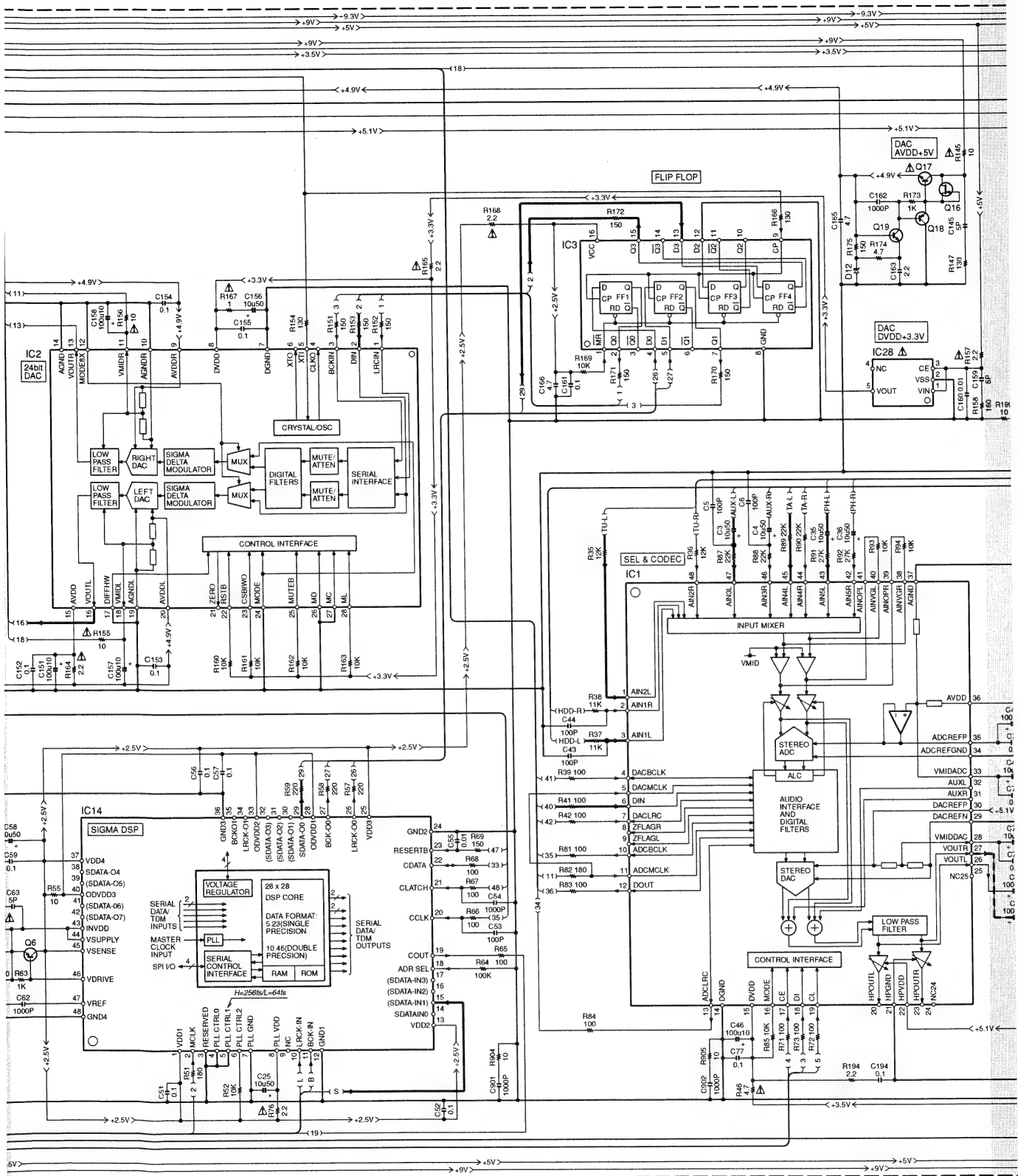
R-K711



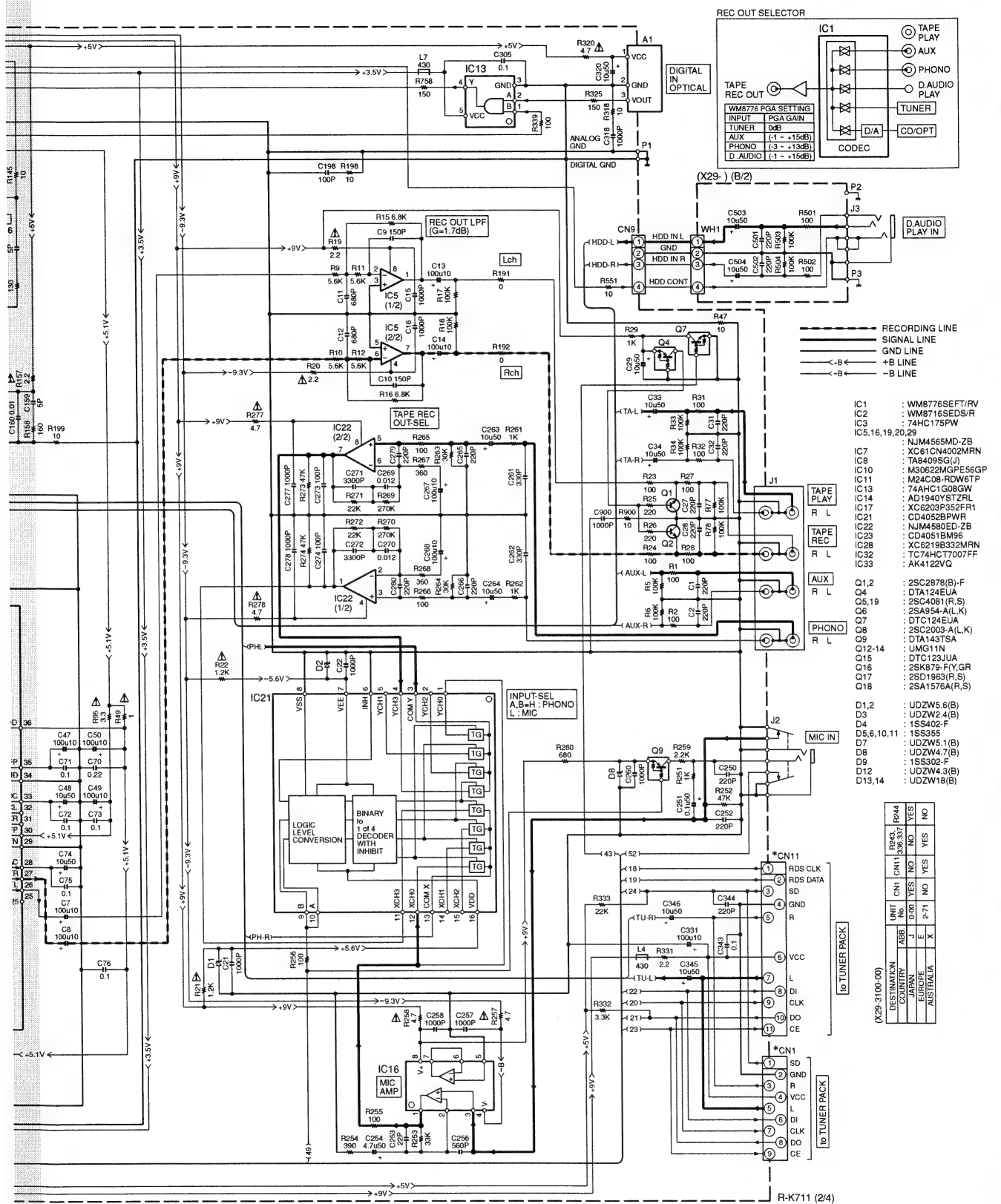
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



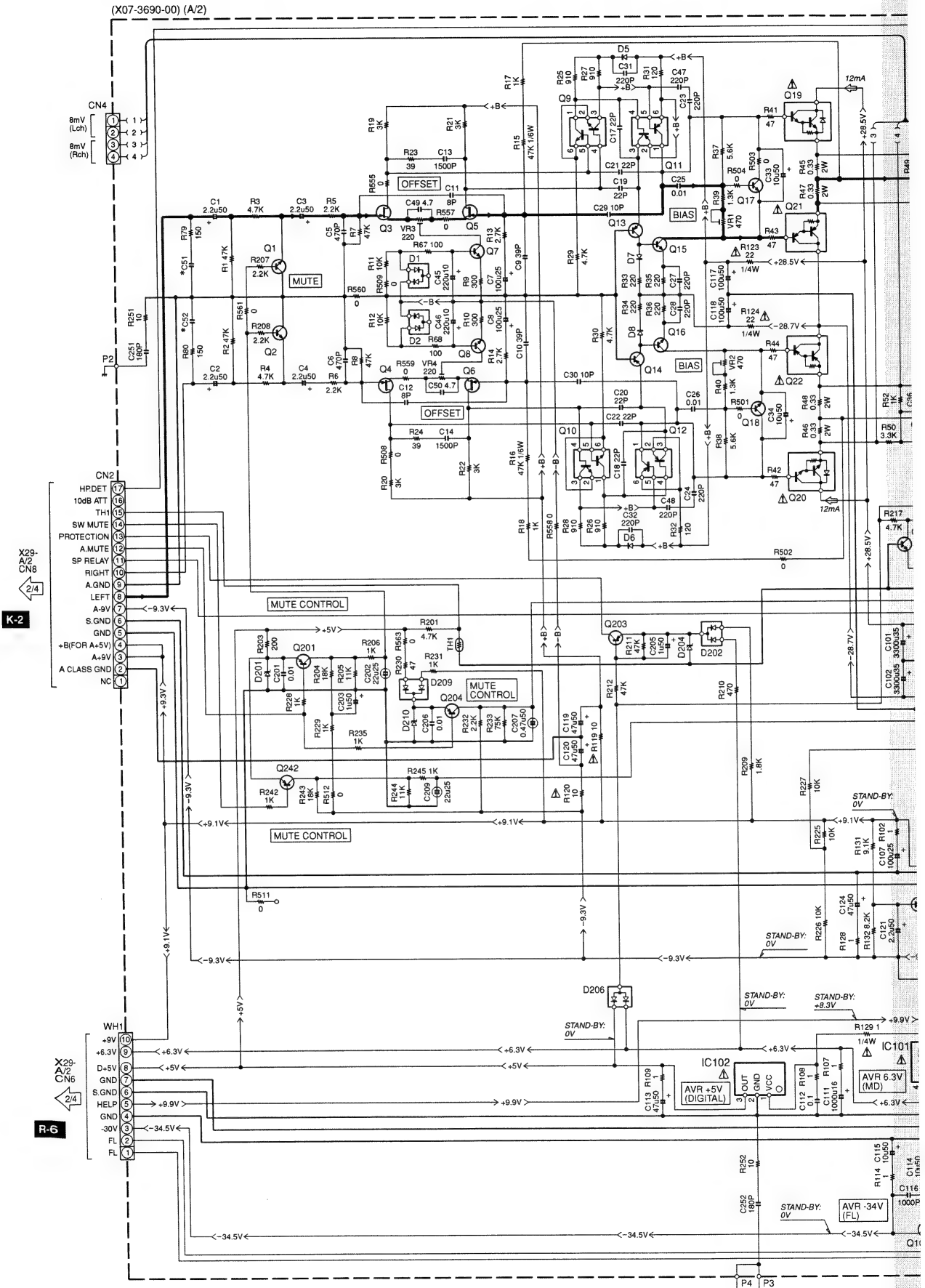
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



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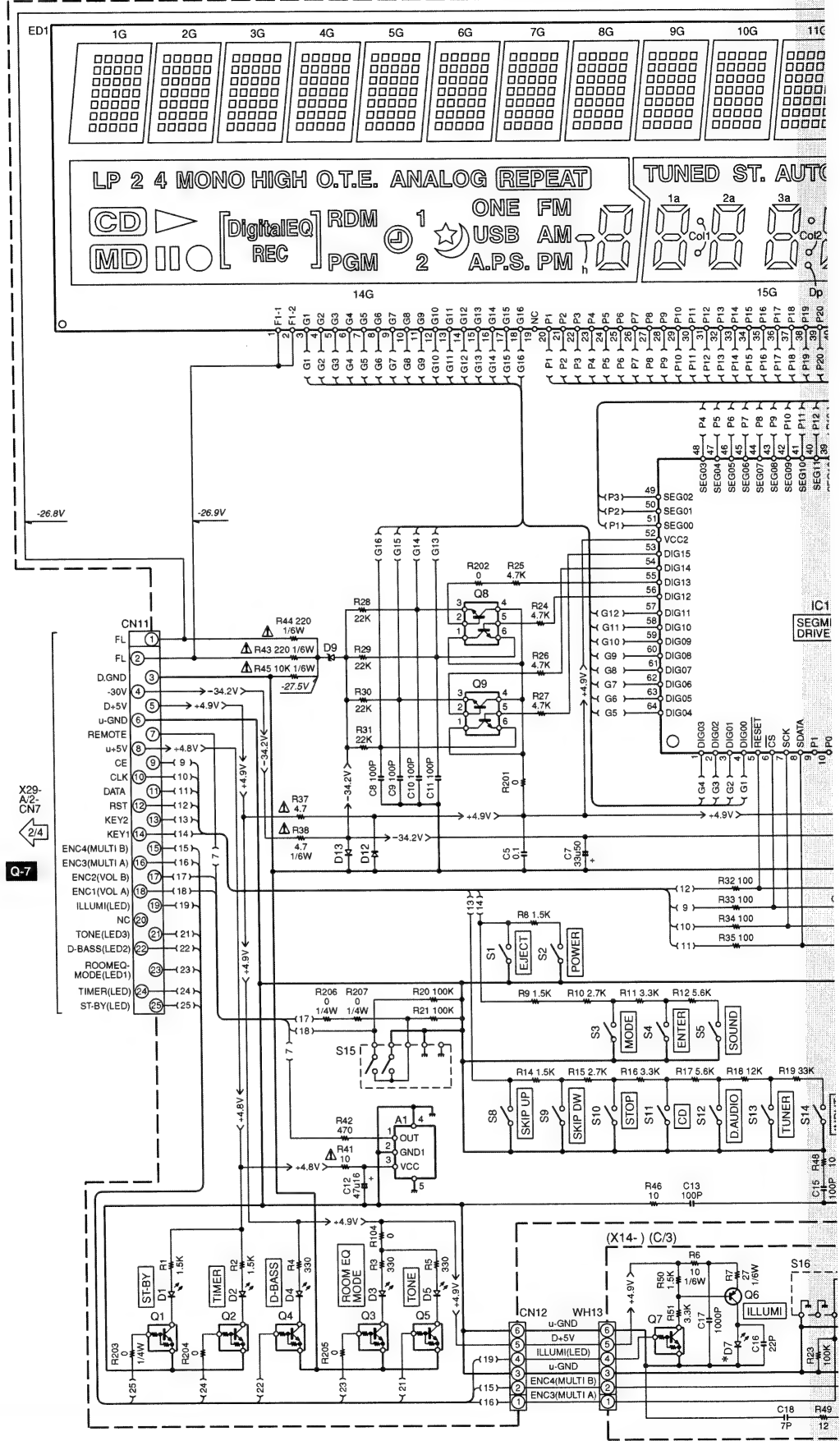


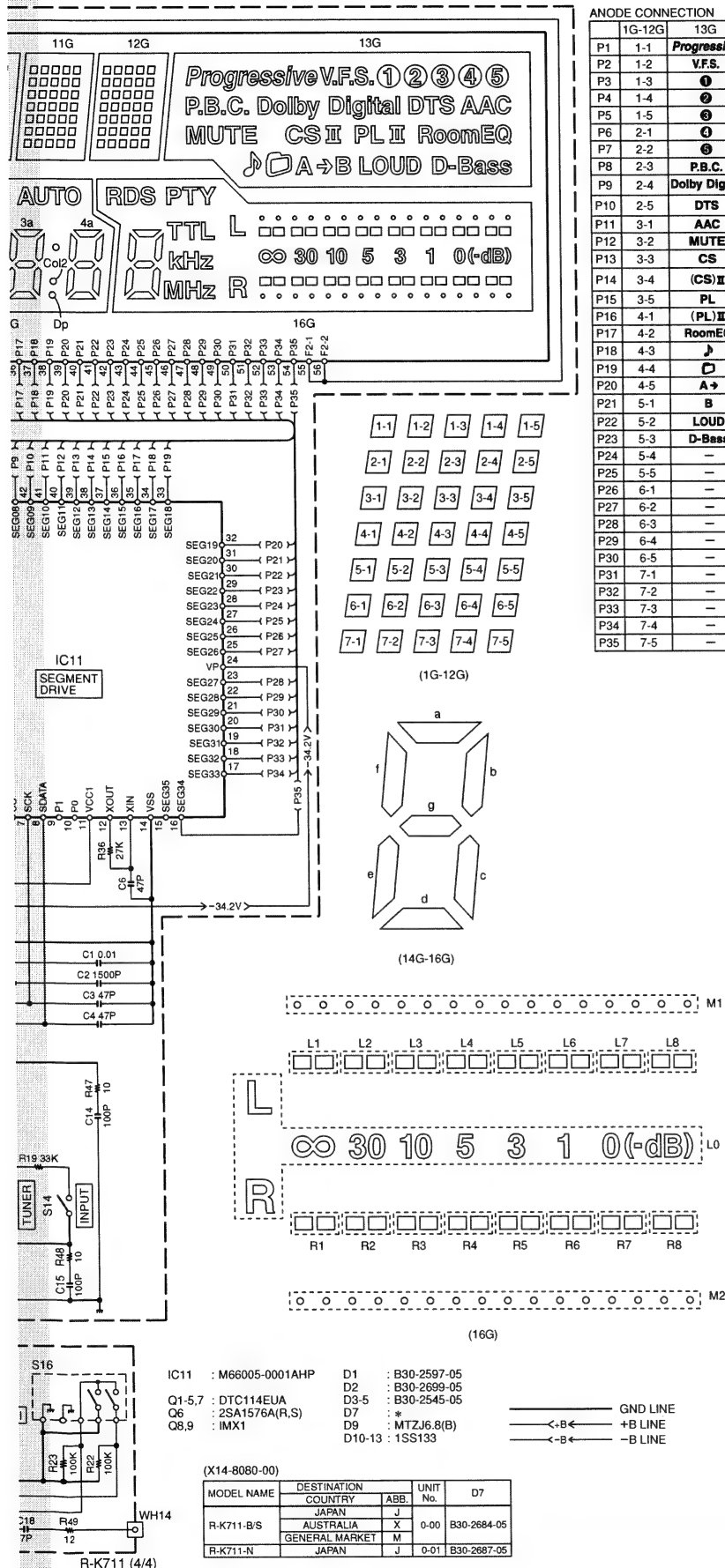


The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

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(X14-8080-00) (A/3)

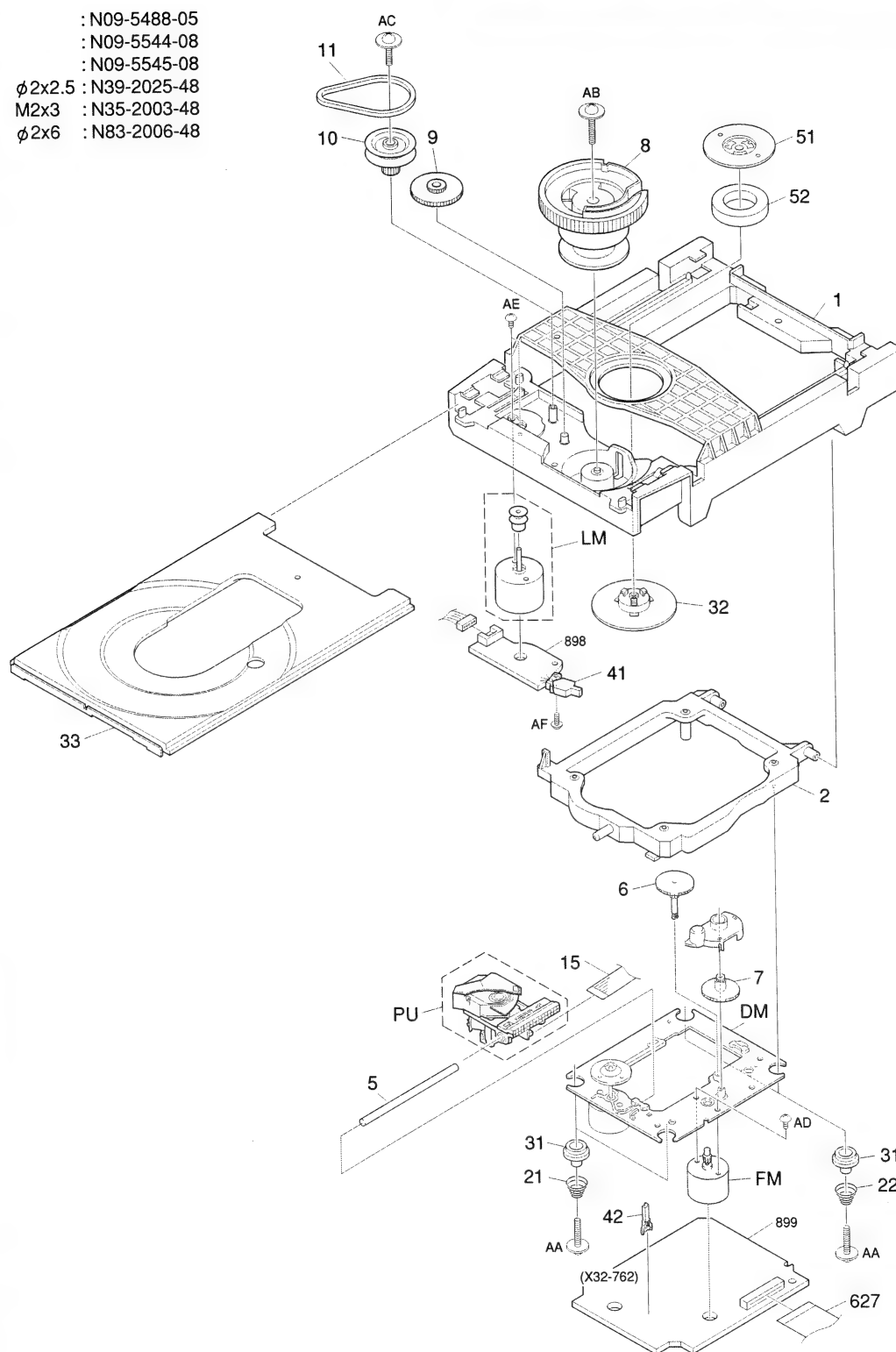




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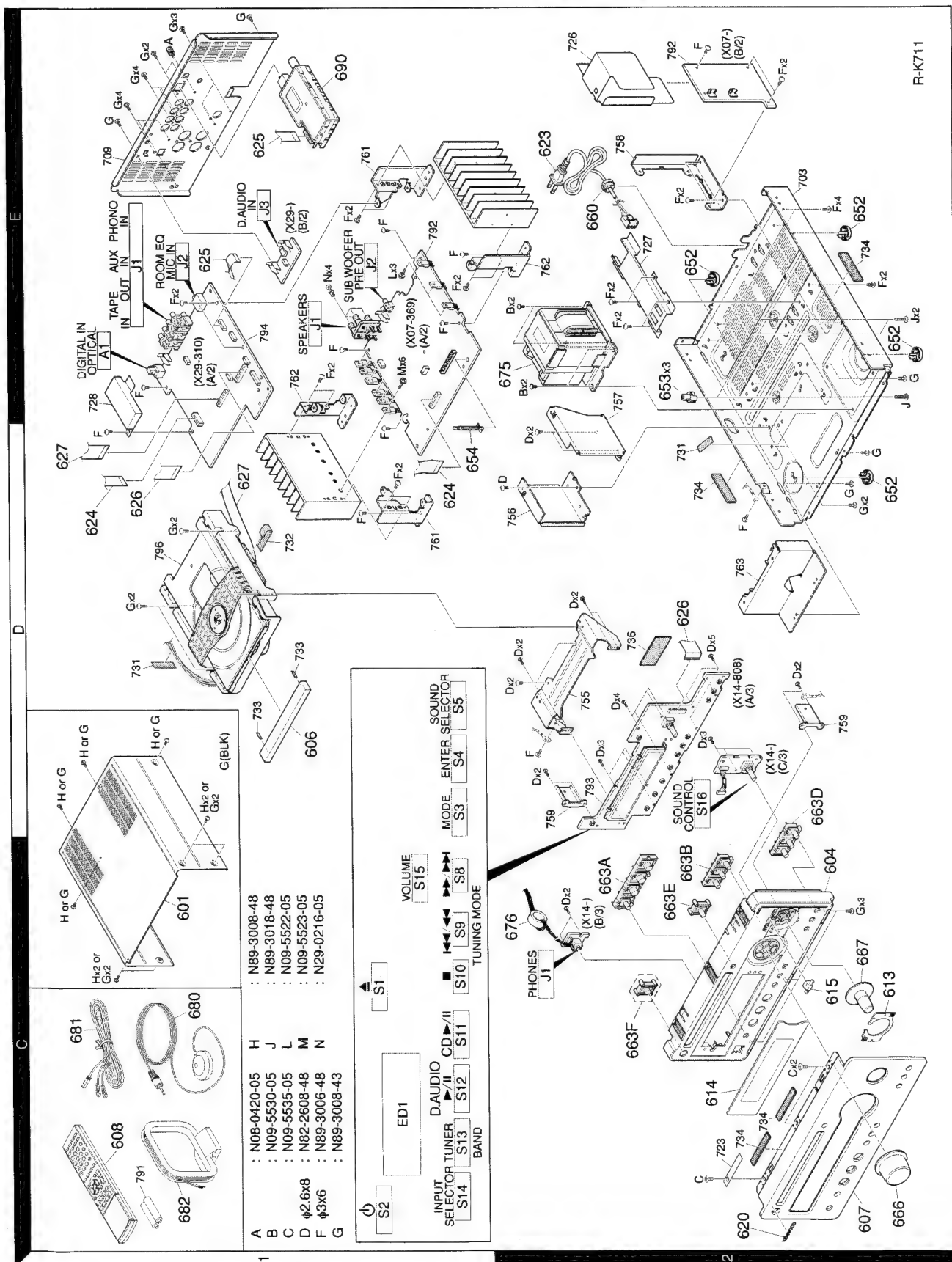
EXPLODED VIEW (CD MECHANISM)

AA	:	N09-5488-05
AB	:	N09-5544-08
AC	:	N09-5545-08
AD	$\phi 2 \times 2.5$: N39-2025-48
AE	M2x3	: N35-2003-48
AF	$\phi 2 \times 6$: N83-2006-48



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



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PARTS LIST

* New parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

2

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
POWER AMP (X07-3692-71)						
C1-4			CD04BU1H2R2M	ELECTRO	50WV	
C5-6			CD04BU1H471J	CHIP C	22UF	
C7-8			CD04BU1E101M	ELECTRO	470PF	
C9-10			CD04BU1H390J	CHIP C	100UF	
C11-12			CD04BU1H080D	CHIP C	39PF	
			CD04BU1H080D	CHIP C	8.0PF	
C13-14			CK73GB1H152K	CHIP C	1500PF	
C17-22			CK73GB1H220J	CHIP C	22PF	
C23-24			CC45FCH1H221J	CERAMIC	220PF	
C25-26			CK73GB1H103K	CHIP C	0.010UF	
C27-28			CK73GB1H221J	CHIP C	220PF	
C29-30			CC73GCH1H100D	CHIP C	10PF	
C31-32			CC73GCH1H221J	CHIP C	220PF	
C33-34			CD04BU1H100M	ELECTRO	10UF	
C35-36			CK73GB1H472K	CHIP C	4700PF	
C37-40			CF92FV1H474J	MF-C	0.47UF	
C41-42			CK45FB1H472K	CERAMIC	4700PF	
C43			CK73GB1H102K	CHIP C	1000PF	
C45-46			CD04BU1A221M	ELECTRO	220UF	
C47-48			CK73GB1H221J	CHIP C	220PF	
C49-50			CK73FB0475K	CHIP C	4.7UF	
C51-52			CC73GCH1H220J	CHIP C	22PF	
C101-102			C90-5813-05	ELECTRO	3300UF	
C103			CD04BU1E222M1	ELECTRO	2200UF	
C104			CD04BU1C332M1	ELECTRO	3300UF	
C105			CD04BU1J471M1	ELECTRO	470UF	
C106			CO93FMG1H104J	MYLAR	0.10UF	
C107			CD04BU1E101M1	ELECTRO	100UF	
C110			CD04BU1C102M1	MYLAR	0.10UF	
C111			CD04BU1C102M1	ELECTRO	1000UF	
C112			CO93FMG1H104J	MYLAR	0.10UF	
C113			CD04BU1H470M	ELECTRO	47UF	
C114-115			CD04BU1H100M	ELECTRO	10UF	
C116			CC73GCH1H102J	CHIP C	1000PF	
C117-118			CD04BU1H101M	ELECTRO	100UF	
C119-120			CD04BU1H470M	ELECTRO	47UF	
C121			CD04BU1H2R2M	ELECTRO	2.2UF	
C122			CD04BU1E102M1	ELECTRO	1000UF	
C123			CD04BU1E470M	ELECTRO	47UF	
C124			CD04BU1H470M	ELECTRO	47UF	
C125-126			C91-1567-05	FILM	0.1UF	
C127-129			CK45FF1H103Z	CERAMIC	0.010UF	
C130			C91-1567-05	FILM	0.1UF	
C201			CK73GB1H103K	CHIP C	0.010UF	
C202			CD04AU1E220M	NP-ELEC	22UF	
C203			CD04BU1H010M	ELECTRO	1.0UF	
C204			CD04BU1H470M	ELECTRO	47UF	
C205			CD04BU1H101M	ELECTRO	1.0UF	
C206			CK73GB1H103K	CHIP C	0.010UF	
C207			CD04AU1H477M	NP-ELEC	0.47UF	
C209			CD04AU1E220M	NP-ELEC	22UF	
C211			CD04BU1H100M	ELECTRO	10UF	
C212			CC73GCH1H101J	CHIP C	100PF	
C251-252			CC73GCH1H181J	CHIP C	180PF	

L: Scandinavia K: USA P: Canada R: Mexico T: Malaysia
Y: PX(Far East,Hawaii) T: England E: Europe G: Germany V: China(Shanghai)
Y: AAFES(Europe) X: Australia Q: Russia M: Other Areas H: Korea A: Indicates safety critical components.

* New parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

1

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R-K711						
601	1C	*	A01-3982-01	METALLIC CABINET/SILVER	S	
601	1C	*	A01-3989-01	METALLIC CABINET #3982 BLACK	S	
604	2C	*	A22-1927-01	SUB PANEL/SILVER	S	
604	2C	*	A22-1932-01	SUB PANEL #1927 BLACK	S	
606	1D	*	A29-1242-13	PANEL #1241 SILVER	S	
606	1D	*	A29-1282-03	PANEL #1241 BLACK	B	
607	2C	*	A60-2517-01	PANEL/SILVER	S	
607	2C	*	A60-2525-01	PANEL #2517 BLACK	B	
608	1C	*	A70-1723-05	REMOTE CONTROLLER, RC-RPO705E		
-	-	*	B60-5697-00	INSTRUCTION MANUAL EN	E	
-	-	*	B60-5725-00	INSTRUCTION MANUAL FR	E	
-	-	*	B60-5726-00	INSTRUCTION MANUAL GE	E	
-	-	*	B60-5727-00	INSTRUCTION MANUAL NE	E	
-	-	*	B60-5728-00	INSTRUCTION MANUAL IT	E	
-	-	*	B60-5729-00	INSTRUCTION MANUAL ES	E	
613	2C	*	B07-2756-03	ESCUTCHEON/SILVER	S	
613	2C	*	B07-2761-03	ESCUTCHEON #2756 BLACK	B	
614	2C	*	B10-5632-03	FRONT GLASS #5629		
615	2C	*	B19-1684-04	LENS SEL		
620	2C	*	B43-0338-04	KENWOOD BADGE/SILVER	E	
623	2E	*	E30-7330-05+	AC POWER CORD/AS ROUND PLU	X	
623	2E	*	E30-7368-05	AC POWER CORD EN 2.5A	E	
624	1D	*	E35-3973-05	FLAT CABLE, 13PX07-X29		
625	1E	*	E35-3911-05	FLAT CABLE, 11P TUNER		
626	1D,2D	*	E35-3971-05	FLAT CABLE, 25PX14-X29		
627	1D	*	E35-3970-05	FLAT CABLE, 23PX29-X32		
652	2D,2E	*	J61-0307-05	WIRE BAND		
653	2E	*	J02-0370-05	FOOT		
654	1D	*	J19-3751-04	UNIT HOLDER		
660	2E	*	J42-0349-05	POWER CORD BUSHING		
663	2C	*	K29-8603-02	KNOB SILVER	S	
663	2C	*	K29-8614-02	KNOB #8603 BLACK	S	
666	2C	*	K29-8604-03	KNOB VOL SILVER	S	
666	2C	*	K29-8616-03	KNOB #8604 BLACK	S	
667	2C	*	K29-8605-03	KNOB JCG SILVER	S	
667	2C	*	K29-8618-03	KNOB #8605 BLACK	B	
675	2E	*	L07-3362-05	POWER TRANSFORMER	X	
675	2E	*	L07-3363-05	POWER TRANSFORMER	E	
676	2C	*	L32-0543-05	FERRITE CORE		
D	-	*	N82-2608-48	BINDING HEAD TAPTITE SCREW		
F	-	*	N89-3006-48	BINDING HEAD TAPTITE SCREW		
H	-	*	N89-3008-48	BINDING HEAD TAPTITE SCREW		
J	-	*	N89-3018-48	BINDING HEAD TAPTITE SCREW		
680	1C	*	T29-0011-05	MICROPHONE UNIT		
681	1C	*	T90-0877-05	LEAD WIRE ANTENNA		
682	1C	*	T90-0883-05	LOOP ANTENNA		
690	1E	*	W02-4644-05	TUNER ASSY		

L: Scandinavia K: USA P: Canada R: Mexico T: Malaysia
Y: PX(Far East,Hawaii) T: England E: Europe G: Germany V: China(Shanghai)
Y: AAFES(Europe) X: Australia Q: Russia M: Other Areas H: Korea A: Indicates safety critical components.

PARTS LIST

* New parts Parts without Parts No. are not supplied. Les articles non mentionnés dans le Parts No. ne sont pas fournis. Teile ohne Parts No. werden nicht geliefert.											
Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks					
Δ C401,402			C91-1643-05	6800PF	J						
C403			CD04BU1C332M1	3300UF	16WV						
C404			CD04BU1E470M	47UF	25WV						
C406			CK73GB1H683K	0.068UF	K						
C407			CD04BU1H2R2M	2.2UF	50WV	Δ					
CN2			E41-1842-05	FLAT CABLE CONNECTOR, 1MM, 17P TOP							
J1		*	E70-1019-05+	SCREW TERMINAL BOARD, 4P, BANANA, AU							
J2		*	E63-1400-05+	PIN JACK, 1P, BLK, AU PL							
F1			F50-0326-05	FUSE (5X20), T800MA, L 250V							
Δ CN403,404			J13-0075-05	FUSE CLIP							
L1,2			L39-1631-05+	PHASE COMPENSATION COIL							
T401			L07-2858-05	POWER TRANSFORMER							
R1,2			RK73GB2A473J	47K	1/10W						
R3,4			RK73GB2A472J	4.7K	1/10W						
R5,6			RK73GB2A222J	2.2K	1/10W						
R7,8			RK73GB2A473J	47K	1/10W						
R9,10			RK73GB2A301J	300	1/10W						
R11,12			RK73GB2A103J	10K	1/10W						
R13,14			RK73GB2A272J	2.7K	1/10W						
R17,18			RK73GB2A102J	1.0K	1/10W						
R19,22			RK73GB2A302J	3.0K	1/10W						
R23,24			RK73GB2A380J	39	1/10W						
R25,28			RK73GB2A911J	910	1/10W						
R29,30			RK73GB2A472J	4.7K	1/10W						
R31,32			RK73GB2A121J	120	1/10W						
R33,36			RD14NB2E221J	RD	1/4W						
R37,38			RK73GB2A562J	5.6K	1/10W						
R39,40			RK73GB2A132J	1.3K	1/10W						
R41,44			RK73GB2A470J	47	1/10W						
R45,48			RS14KB3DR33J	FL-PROOF RS	2W						
R49,50			RK73GB2A332J	3.3K	1/10W						
R51,52			RK73GB2A102J	1.0K	1/10W						
R53,54			RK73GB2A472J	4.7K	1/10W						
R55,56			RK73GB2A473J	4.7K	1/10W						
R57,58			RS14KB3DR33J	FL-PROOF RS	2W						
R59,60			RS14KB3D331J	FL-PROOF RS	2W						
R61,62			RK73GB2A622J	6.2K	1/10W						
R63			RK73GB2A101J	100	1/10W						
R64			RK73GB2A681J	680	1/10W						
R65,66			RD14NB2E472J	4.7	1/4W						
R67,68			RK73GB2A101J	100	1/10W						
R75,78			RK73GB2A330J	33	1/10W						
R79,80			RK73GB2A151J	150	1/10W						
R101,102			RK73GB2A1R0J	1.0	1/10W						
R106-109			RK73GB2A1R0J	1.0	1/10W						
R110			RD14NB2E1R0J	RD	1/4W						
R113			RK73GB2A100J	10	1/10W						
R114			RK73GB2A1R0J	1.0	1/10W						
R115			RS14KB3D220J	FL-PROOF RS	2W						
R116			RS14KB3D470J	FL-PROOF RS	2W						
R119,120			RK73GB2A100J	10	1/10W						
Δ R123,124			RD14NB2E220J	RD	1/4W						

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Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks					
R125			RD14NB2E100J	RD	1/4W						
R126,127			RK73GB2A512J	CHIP R	1/10W						
R128			RK73GB2A1R0J	CHIP R	1/10W						
R129			RD14NB2E1R0J	RD	1/4W						
Δ R130			RK73GB2A101J	CHIP R	1/10W						
R131			RK73GB2A912J	CHIP R	1/10W						
R132			RK73GB2A822J	CHIP R	1/10W						
R201			RK73GB2A472J	CHIP R	1/10W						
R203			RK73GB2A201J	CHIP R	1/10W						
R204			RK73GB2A183J	CHIP R	1/10W						
R205			RK73GB2A113J	CHIP R	1/10W						
R206			RK73GB2A102J	CHIP R	1/10W						
R207,208			RK73GB2A222J	CHIP R	1/10W						
R209			RK73GB2A182J	CHIP R	1/10W						
R210			RK73GB2A471J	CHIP R	1/10W						
R211,212			RK73GB2A473J	CHIP R	1/10W						
R215,216			RK73GB2A472J	CHIP R	1/10W						
R217			RK73GB2A472J	CHIP R	1/10W						
R218			RK73GB2A103J	CHIP R	1/10W						
Δ R219			RS14KB3D221J	FL-PROOF RS	2W						
R220			RK73GB2A472J	CHIP R	1/10W						
R221			RK73GB2A222J	CHIP R	1/10W						
R222-227			RK73GB2A103J	CHIP R	1/10W						
R228,229			RK73GB2A102J	CHIP R	1/10W						
R230			RK73GB2A470J	CHIP R	1/10W						
R231			RK73GB2A102J	CHIP R	1/10W						
R232			RK73GB2A222J	CHIP R	1/10W						
R233			RK73GB2A733J	CHIP R	1/10W						
R235			RK73GB2A102J	CHIP R	1/10W						
R242			RK73GB2A183J	CHIP R	1/10W						
R244			RK73GB2A113J	CHIP R	1/10W						
R245			RK73GB2A102J	CHIP R	1/10W						
R251,252			RK73GB2A100J	CHIP R	1/10W						
Δ R255,256			RK73GB2A471J	CHIP R	1/10W						
R401			RK73GB2A1R0J	CHIP R	1/10W						
R402			RK73GB2A102J	CHIP R	1/10W						
R403			RK73GB2A104J	CHIP R	1/10W						
R404			RK73GB2A824J	CHIP R	1/10W						
R405			RK73GB2A434J	CHIP R	1/10W						
R406			RK73GB2A472J	CHIP R	1/10W						
R407			RK73GB2A104J	CHIP R	1/10W						
R501-506			RK73GB2A000J	CHIP R	1/10W						
R508,509			RK73GB2A000J	CHIP R	1/10W						
R511,512			RK73GB2A000J	CHIP R	1/10W						
R551-555			RK73EB2E000J	CHIP R	1/4W						
R557-561			RK73EB2E000J	CHIP R	1/4W						
R563			RK73EB2E000J	CHIP R	1/4W						
VR1,2			R32-0151-05	SEMI FIXED VARIABLE RESISTOR							
VR3,4			R32-0166-05	SEMI FIXED VARIABLE RESISTOR							
K1			S76-0098-05	MAGNETIC RELAY							
K401			S76-0131-15	MAGNETIC RELAY							
D1,2			1SS302-F	DIODE							
Δ D5,8			1SS133	DIODE							

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Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks					
Δ C401,402			C91-1643-05	6800PF	J						
C403			CD04BU1C332M1	3300UF	16WV						
C404			CD04BU1E470M	47UF	25WV						
C406			CK73GB1H683K	0.068UF	K						
C407			CD04BU1H2R2M	2.2UF	50WV	Δ					
CN2			E41-1842-05	FLAT CABLE CONNECTOR, 1MM, 17P TOP							
J1		*	E70-1019-05+	SCREW TERMINAL BOARD, 4P, BANANA, AU							
J2		*	E63-1400-05+	PIN JACK, 1P, BLK, AU PL							
F1			F50-0326-05	FUSE (5X20), T800MA, L 250V							
Δ CN403,404			J13-0075-05	FUSE CLIP							
L1,2			L39-1631-05+	PHASE COMPENSATION COIL							
T401			L07-2858-05	POWER TRANSFORMER							
R1,2			RK73GB2A473J	47K	1/10W						
R3,4			RK73GB2A472J	4.7K	1/10W						
R5,6			RK73GB2A222J	2.2K	1/10W						
R7,8			RK73GB2A473J	47K	1/10W						
R9,10			RK73GB2A301J	300	1/10W						
R11,12			RK73GB2A103J	10K	1/10W						
R13,14			RK73GB2A272J	2.7K	1/10W						
R17,18			RK73GB2A102J	1.0K	1/10W						
R19,22			RK73GB2A302J	3.0K	1/10W						
R23,24			RK73GB2A380J	39	1/10W						
R25,28			RK73GB2A911J	910	1/10W						
R29,30			RK73GB2A472J	4.7K	1/10W						
R31,32			RK73GB2A121J	120	1/10W						
R33,36			RD14NB2E221J	RD	1/4W						
R37,38			RK73GB2A562J	5.6K	1/10W						
R39,40			RK73GB2A132J	1.3K	1/10W						
R41,44			RK73GB2A470J	47	1/10W						
R45,48			RS14KB3DR33J	FL-PROOF RS	2W						
R49,50			RK73GB2A332J	3.3K	1/10W						
R51,52			RK73GB2A102J	1.0K	1/10W						
R53,54			RK73GB2A472J	4.7K	1/10W						
R55,56			RK73GB2A473J	4.7K	1/10W						
R57,58			RS14KB3DR33J	FL-PROOF RS	2W						
R59,60			RS14KB3D331J	FL-PROOF RS	2W						
R61,62			RK73GB2A622J	6.2K	1/10W						
R63			RK73GB2A101J	100	1/10W						
R64			RK73GB2A681J	680	1/10W						
R65,66			RD14NB2E472J	4.7	1/4W						
R67,68			RK73GB2A101J	100	1/10W						
R75,78			RK73GB2A330J	33	1/10W						
R79,80			RK73GB2A151J	150	1/10W						
R101,102			RK73GB2A1R0J	1.0	1/10W						
R106-109			RK73GB2A1R0J	1.0	1/10W						
R110			RD14NB2E1R0J	RD	1/4W						
R113			RK73GB2A100J	10	1/10W						
R114			RK73GB2A1R0J	1.0	1/10W						
R115			RS14KB3D220J	FL-PROOF RS	2W						
R116			RS14KB3D470J	FL-PROOF RS	2W						
R119,120			RK73GB2A100J	10	1/10W						
Δ R123,124			RD14NB2E220J	RD	1/4W						

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Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks					
R125			RD14NB2E100J	RD	1/4W						
R126,127			RK73GB2A512J	CHIP R	1/10W						
R128			RK73GB2A1R0J	CHIP R	1/10W						
R129			RD14NB2E1R0J	RD	1/4W						
Δ R130			RK73GB2A101J	CHIP R	1/10W						
R131			RK73GB2A912J	CHIP R	1/10W						
R132			RK73GB2A822J	CHIP R	1/10W						
R201			RK73GB2A472J	CHIP R	1/10W						
R203			RK73GB2A201J	CHIP R	1/10W						
R204			RK73GB2A183J	CHIP R	1/10W						
R205			RK73GB2A113J	CHIP R	1/10W						
R206			RK73GB2A102J	CHIP R	1/10W						
R207,208			RK73GB2A222J	CHIP R	1/10W						
R209			RK73GB2A182J	CHIP R	1/10W						
R210			RK73GB2A471J	CHIP R	1/10W						
R211,212			RK73GB2A473J	CHIP R	1/10W						
R215,216			RK73GB2A472J	CHIP R	1/10W						
R217			RK73GB2A472J	CHIP R	1/10W						
R218			RK73GB2A103J	CHIP R	1/10W						
Δ R219			RS14KB3D221J	FL-PROOF RS	2W						
R220			RK73GB2A472J	CHIP R	1/10W						
R221			RK73GB2A222J	CHIP R	1/10W						
R222-227			RK73GB2A103J	CHIP R	1/10W						
R228,229			RK73GB2A102J	CHIP R	1/10W						
R230			RK73GB2A470J	CHIP R	1/10W						
R231			RK73GB2A102J	CHIP R	1/10W						
R232			RK73GB2A222J	CHIP R	1/10W						
R233			RK73GB2A733J	CHIP R	1/10W						
R235			RK73GB2A102J	CHIP R	1/10W						
R242			RK73GB2A183J	CHIP R	1/10W						
R244			RK73GB2A113J	CHIP R	1/10W						
R245			RK73GB2A102J	CHIP R	1/10W						
R251,252			RK73GB2A100J	CHIP R	1/10W						
Δ R255,256			RK73GB2A471J	CHIP R	1/10W						
R401			RK73GB2A1R0J	CHIP R	1/10W						
R402			RK73GB2A102J	CHIP R	1/10W						
R403			RK73GB2A104J	CHIP R	1/10W						
R404			RK73GB2A824J	CHIP R	1/10W						
R405			RK73GB2A434J	CHIP R	1/10W						
R406			RK73GB2A472J	CHIP R	1/10W						
R407			RK73GB2A104J	CHIP R	1/10W						
R501-506			RK73GB2A000J	CHIP R	1/10W						
R508,509			RK73GB2A000J	CHIP R	1/10W						
R511,512			RK73GB2A000J	CHIP R	1/10W						
R551-555			RK73EB2E000J	CHIP R	1/4W						
R557-561			RK73EB2E000J	CHIP R	1/4W						
R563			RK73EB2E000J	CHIP R	1/4W						
VR1,2			R32-0151-05	SEMI FIXED VARIABLE RESISTOR							
VR3,4			R32-0166-05	SEMI FIXED VARIABLE RESISTOR							
K1			S76-0098-05	M							

L: Scandinavia
 Y: PX(Far East,Hawaii)
 Y: AAF(ES)(Europe)

K: USA
 T: England
 X: Australia

P: Canada
 E: Europe
 Q: Russia

R: Mexico
 G: Germany
 H: Korea

C: China
 V: China(Shanghai)
 M: Other Areas

I: Malaysia
 Δ: Indicates safety critical components.

PARTS LIST

* New parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

6

Ref. No.	Add-ress	New parts	Parts No.	Description	Desti-nation	Re-marks
C5			CK73GB1H104K	CHIP C		
C6			CK73GB1H1470J	CHIP C	K	
C7			CD04AT1H330M	ELECTRO	50WV	
C8 -11			CK73GB1H101J	CHIP C	J	
C12			CD04AT1C470M	ELECTRO	16WV	
C13 -15			CC73GCH1H101J	CHIP C	J	
C16			CC73GCH1H220J	CHIP C	J	
C17			CK73GB1H102K	CHIP C	K	
C18			CC73GCH1H070D	CHIP C	D	
C101-103			CK73GB1H102K	CHIP C	K	
CN11			E41-1823-05	FLAT CABLE CONNECTOR,1MM,25PSIDE		
J1			E11-1010-05	PHONE JACK (AU PLATE BLACK		
R1 -2			RK73GB2A152J	CHIP R	J	1/10W
R3 -5			RK73GB2A331J	CHIP R	J	1/10W
R8 -9			RK73GB2A152J	CHIP R	J	1/10W
R10			RK73GB2A272J	CHIP R	J	1/10W
R11			RK73GB2A332J	CHIP R	J	1/10W
R12			RK73GB2A562J	CHIP R	J	1/10W
R14			RK73GB2A152J	CHIP R	J	1/10W
R15			RK73GB2A272J	CHIP R	J	1/10W
R16			RK73GB2A332J	CHIP R	J	1/10W
R17			RK73GB2A562J	CHIP R	J	1/10W
R18			RK73GB2A123J	CHIP R	J	1/10W
R19			RK73GB2A333J	CHIP R	J	1/10W
R20 -23			RK73GB2A104J	CHIP R	J	1/10W
R24 -27			RK73GB2A472J	CHIP R	J	1/10W
R28 -31			RK73GB2A223J	CHIP R	J	1/10W
R32 -35			RK73GB2A101J	CHIP R	J	1/10W
R36			RK73GB2A273J	CHIP R	J	1/10W
R37			RK73GB2A473J	CHIP R	J	1/10W
R38			RD14BB2C47J	RD	J	1/6W
R41			RK73GB2A100J	CHIP R	J	1/10W
R42			RK73GB2A471J	CHIP R	J	1/10W
R43 -44			RD14BB2C221J	RD	J	1/6W
R45			RD14BB2C103J	RD	J	1/6W
R46 -48			RK73GB2A100J	CHIP R	J	1/10W
R49			RK73GB2A120J	CHIP R	J	1/10W
R50			RK73GB2A152J	CHIP R	J	1/10W
R51			RK73GB2A332J	CHIP R	J	1/10W
R101, 102			RK73GB2A100J	CHIP R	J	1/10W
R103			RK73GB2A272J	CHIP R	J	1/10W
R104			RK73GB2A000J	CHIP R	J	1/10W
R201,202			RK73GB2A000J	CHIP R	J	1/10W
R203			RK73GB2E000J	CHIP R	J	1/4W
R204,205			RK73GB2A000J	CHIP R	J	1/10W
R206,207			RK73GB2E000J	CHIP R	J	1/4W
S1 -5			S70-0051-15	TACT SWITCH		
S8 -14			S70-0051-15	TACT SWITCH		
S15			T99-0664-05	ROTARY ENCODER		
S16			T99-0653-05	ROTARY ENCODER		
D9			MTZJ6.8(B)	ZENER DIODE		
D10 -13			1SS133	DIODE		
ED1			HNA-16MM58T	FLUORESCENT INDICATOR TUBE		
IC11			M66005-0001AHP	MOS-IC		

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Ref. No.	Add-ress	New parts	Parts No.	Description	Desti-nation	Re-marks
D9			DAP202U	DIODE		
D101, 102			TS4B03G-B1	DIODE		
D103 -108			1SR139-400T64	DIODE		
D109			MTZJ18(B)	ZENER DIODE		
D110			MTZJ16(B)	ZENER DIODE		
D113,114			1SR139-400T64	DIODE		
D116			MTZJ5.6(B)	ZENER DIODE		
D201			MTZJ3.9(B)	ZENER DIODE		
D202			DAN202U	DIODE		
D204			MTZJ4.7(B)	ZENER DIODE		
D206			DAP202U	DIODE		
D208			1SS133	DIODE		
D209			DAN202U	DIODE		
D210			MTZJ3.9(B)	ZENER DIODE		
D211			1SS133	DIODE		
D401-404			1SS133	DIODE		
D405			DAN202U	DIODE		
D406-409			1SS133	DIODE		
IC101			NJM2396F63	ANALOGUE IC		
IC102			BA50BC0T	ANALOGUE IC		
IC103			BA09T	ANALOGUE IC		
IC104			XC62HR5102PN	ANALOGUE IC		
Q1 -2			2SC2878(B)-F	TRANSISTOR		
Q3 -6			2SK364F(GR,BL	FET		
Q7 -8			2SC4081(R,S)	TRANSISTOR		
Q9 -10			IMX8	DUAL TRANSISTOR		
Q11, 12			IMT4	DUAL TRANSISTOR		
Q13, 14			2SA982-A(E)	TRANSISTOR		
Q15, 16			2SC1845-A(E)	TRANSISTOR		
Q17, 18			2SD2386Q(K)	TRANSISTOR		
Q19, 20			2SD2420AP1KW	TRANSISTOR		
Q21, 22			2SB1623AP1KW	TRANSISTOR		
Q23, 24			2SC4081(R,S)	TRANSISTOR		
Q25, 26			2SC2878(B)-F	TRANSISTOR		
Q29, 30			2SC4081(R,S)	TRANSISTOR		
Q31			2SD1757K	TRANSISTOR		
Q33, 34			2SC2878(B)-F	TRANSISTOR		
Q101			2SB1640-Q	TRANSISTOR		
Q102			2SB1241	TRANSISTOR		
Q103			2SA1576A(R,S)	TRANSISTOR		
Q201			2SA1576A(R,S)	TRANSISTOR		
Q203,204			2SA1576A(R,S)	TRANSISTOR		
Q206			DTC113ZUA	DIGITAL TRANSISTOR		
Q242			2SA1576A(R,S)	TRANSISTOR		
Q401			2SA1576A(R,S)	TRANSISTOR		
Q402			2SC4081(R,S)	TRANSISTOR		
TH1			NTH20P40B473J	THERMISTOR		
DISPLAY (X14-8080-00)						
D1			B30-2697-05	LED (RED HL-BRIGHT)		
D2			B30-2698-05	LED (YELLOW D-3.0 H)		
D3 -5			B30-2694-05	LED (RED3(160))		
D7			B30-2684-05	LED(BLUE 3MM)		
C1			CK73GB1H103K	CHIP C	K	0.010UF
C2			CK73GB1H152K	CHIP C	K	1500PF
C3 -4			CK73GCH1H470J	CHIP C	J	47PF

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C194			CK73GB1H104K	CHIP C		
C198			CK73GB1H101J	CHIP C	K	
C200			CD04BU1H470M	ELECTRO	J 50WV	
C201			CK73GB1H180J	CHIP C	J	
C202			CK73GB1H220J	CHIP C	J	
C204			CK73GB1H103K	CHIP C	K	
C205			CK73GB1H102K	CHIP C	K	
C206			CK73GB1H103K	CHIP C	K	
C207			CK73GB1H102K	CHIP C	K	
C210-212			CK73GB1H1070D	CHIP C	D	
C250			CK73GB1H221J	CHIP C	J	
C251			CD04BU1H0R1M	ELECTRO	J	
C252			CK73GB1H221J	CHIP C	J	
C253			CK73GB1H220J	CHIP C	J	
C254			CD04BU1H4R7M	ELECTRO	J 50WV	
C256			CK73GB1H561J	CHIP C	J	
C257-258			CK73GB1H102K	CHIP C	K	
C260			CK73GB1H102K	CHIP C	K	
C261-262			CK73GB1H103J	CHIP C	K	
C263-264			CD04BU1H100M	ELECTRO	J 50WV	
C265-266			CK73GB1H221J	CHIP C	J	
C267-268			CD04BU1A101M	ELECTRO	J 10WV	
C269-270			CK73GB1H123J	MYLAR	J	
C271-272			CK73GB1H123J	MYLAR	J	
C273-274			CK73GB1H101J	CHIP C	J	
C277-278			CK73GB1H102K	CHIP C	K	
C279-280			CK73GB1H221J	CHIP C	J	
C281			CD04BU1H2R2M	ELECTRO	J 50WV	
C282			CD04BU1H0R1M	ELECTRO	J 50WV	
C285-286			CD04BU1A101M	ELECTRO	J 10WV	
C305			CK73GB1H104K	CHIP C	K	
C318			CK73GB1H102K	CHIP C	K	
C320			CD04BU1H100M	ELECTRO	J 50WV	
C321			CK73GB1H104K	CHIP C	K	
C331			CD04BU1A101M	ELECTRO	J 10WV	
C343			CK73GB1H104K	CHIP C	K	
C344			CK73GB1H221J	CHIP C	J	
C345-346			CD04BU1H100M	ELECTRO	J 50WV	
C403-404			CD04BU1A101M	ELECTRO	J 10WV	
C407-408			CK73GB1H471J	MYLAR	J	
C411-412			CK73GB1H101J	CHIP C	J	
C413-414			CK73GB1H471J	CHIP C	J	
C415-416			CK73GB1H100D	CHIP C	D	
C417-418			CK73GB1H221J	CHIP C	J	
C421-424			CK73GB1H102K	CHIP C	K	
C427-428			CK73GB1H100D	CHIP C	D	
C429-430			CK73GB1H102K	CHIP C	K	
C431			CD04BU1H100M	ELECTRO	J 50WV	
C501-502			CK73GB1H221J	CHIP C	J	
C503-504			CD04BU1H100M	ELECTRO	J 50WV	
C601			CK73GB1H103K	CHIP C	K	
C602			CK73GB1H102K	CHIP C	K	
C606			CK73GB1H104K	CHIP C	K	
C718			CK73GB1H222K	CHIP C	K	
C719			CD04BU1H2R2M	ELECTRO	J 50WV	

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q1-5			DTC114EUA	DIGITAL TRANSISTOR		
Q6			2SA1576A(R,S)	TRANSISTOR		
Q7			DTC114EUA	DIGITAL TRANSISTOR		
Q8-9			IMX1	TRANSISTOR		
A1		*	W02-4660-05	ELECTRIC CIRCUIT MODULE		
CONTROL (X29-3102-71)						
C1-2			CK73GB1H221J	CHIP C	J	
C3-4			CD04BU1H100M	ELECTRO	J 50WV	
C5-6			CK73GB1H101J	CHIP C	J	
C7-8			CD04BU1A101M	ELECTRO	J 10WV	
C9-10			CK73GB1H151J	CHIP C	J	
C11-12			CK73GB1H681J	CHIP C	J	
C13-14			CD04BU1A101M	ELECTRO	J 10WV	
C15-16			CK73GB1H102K	CHIP C	K	
C21-22			CK73GB1H102K	CHIP C	K	
C23			CD04BU1H100M	ELECTRO	J 50WV	
C24			CK73GB1H100D	CHIP C	D	
C25			CD04BU1H100M	ELECTRO	J 50WV	
C27-28			CK73GB1H221J	CHIP C	J	
C29-30			CD04BU1H100M	ELECTRO	J 50WV	
C31-32			CK73GB1H221J	CHIP C	J	
C33-36			CD04BU1H100M	ELECTRO	J 50WV	
C43-44			CK73GB1H101J	CHIP C	J	
C46-47			CD04BU1A101M	ELECTRO	J 10WV	
C48			CD04BU1H100M	ELECTRO	J 50WV	
C49-50			CD04BU1A101M	ELECTRO	J 10WV	
C51-52			CK73GB1H104K	CHIP C	K	
C53			CK73GB1H101J	CHIP C	J	
C54			CK73GB1H102K	CHIP C	K	
C55			CK73GB1H103K	CHIP C	K	
C56-57			CK73GB1H104K	CHIP C	K	
C58			CD04BU1H100M	ELECTRO	J 50WV	
C59-60			CK73GB1H104K	CHIP C	K	
C61			CD04BU1A101M	ELECTRO	J 10WV	
C62			CK73GB1H102K	CHIP C	K	
C63			CK73GB1H050C	CHIP C	C	
C70			CK73GB1C224K	CHIP C	K	
C71-73			CK73GB1H104K	CHIP C	K	
C74			CD04BU1H100M	ELECTRO	J 50WV	
C75-77			CK73GB1H104K	CHIP C	K	
C141			CD04BU1E470M	ELECTRO	J 25WV	
C142			CD04BU1A101M	ELECTRO	J 10WV	
C145			CK73GB1H050C	CHIP C	C	
C146			CK73GB1H100D	CHIP C	D	
C151			CD04BU1A101M	ELECTRO	J 10WV	
C152-155			CK73GB1H104K	CHIP C	K	
C156			CD04BU1H100M	ELECTRO	J 50WV	
C157-158			CD04BU1A101M	ELECTRO	J 10WV	
C159			CK73GB1H050C	CHIP C	C	
C160			CK73GB1H103K	CHIP C	K	
C161			CK73GB1H104K	CHIP C	K	
C162			CK73GB1H102K	CHIP C	K	
C163			CK73GB1A225K	CHIP C	K	
C165-166			CK73EB1A475K	CHIP C	K	

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R65 -68		RK73GB2A101J	CHIP R	1/10W
R69		RK73GB2A151J	CHIP R	1/10W
R70		RK73GB2A2R2J	CHIP R	1/10W
R71 -73		RK73GB2A101J	CHIP R	1/10W
R75		RK73GB2A151J	CHIP R	1/10W
R76		RK73GB2A2R2J	CHIP R	2.2
R77 -78		RK73GB2A101J	CHIP R	1/10W
R79 -81		RK73GB2A181J	CHIP R	1/10W
R82		RK73GB2A101J	CHIP R	1/10W
R83 -84		RK73GB2A101J	CHIP R	1/10W
R85		RK73GB2A103J	CHIP R	1/10W
R87 -90		RK73GB2A223J	CHIP R	1/10W
R91 -92		RK73GB2A273J	CHIP R	1/10W
R93 -94		RK73GB2A103J	CHIP R	1/10W
R95		RK73GB2A3R3J	CHIP R	3.3
R141		RD14NB2E100J	RD	1/4W
R142		RK73GB2A681J	CHIP R	1/10W
R143		RK73GB2A101J	CHIP R	1/10W
R144		RK73GB2A1R0J	CHIP R	1/10W
R145		RK73GB2A100J	CHIP R	1/10W
R147		RK73GB2A131J	CHIP R	1/10W
R148		RK73GB2A161J	CHIP R	1/10W
R151-153		RK73GB2A151J	CHIP R	1/10W
R154		RK73GB2A131J	CHIP R	1/10W
R155,156		RK73GB2A100J	CHIP R	1/10W
R157		RK73GB2A2R2J	CHIP R	2.2
R158		RK73GB2A161J	CHIP R	1/10W
R160-163		RK73GB2A103J	CHIP R	1/10W
R164,165		RK73GB2A2R2J	CHIP R	2.2
R166		RK73GB2A131J	CHIP R	1/10W
R167		RK73GB2A1R0J	CHIP R	1/10W
R168		RK73GB2A2R2J	CHIP R	2.2
R169		RK73GB2A103J	CHIP R	1/10W
R170-172		RK73GB2A151J	CHIP R	1/10W
R173		RK73GB2A102J	CHIP R	1.0K
R174		RK73GB2A4R7J	CHIP R	4.7
R175		RK73GB2A151J	CHIP R	1/10W
R181-184		RK73GB2A151J	CHIP R	1/10W
R191,192		RK73GB2A000J	CHIP R	0.0
R194		RK73GB2A2R2J	CHIP R	2.2
R195		RK73GB2A100J	CHIP R	1/10W
R196		RK73GB2A130J	CHIP R	13
R198,199		RK73GB2A100J	CHIP R	1/10W
R200		RK73GB2A1R0J	CHIP R	1.0
R201		RK73GB2A101J	CHIP R	1/10W
R202		RK73GB2A104J	CHIP R	100K
R204		RK73GB2A334J	CHIP R	330K
R205		RK73GB2A102J	CHIP R	1.0K
R206		RK73GB2A820J	CHIP R	82
R207		RK73GB2A105J	CHIP R	1.0M
R208		RK73GB2A104J	CHIP R	100K
R209,210		RK73GB2A101J	CHIP R	1/10W
R211,212		RK73GB2A470J	CHIP R	47
R213		RK73GB2A132J	CHIP R	1.3K
R214		RK73GB2A101J	CHIP R	1/10W

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C720		CK73GB1H104K	CHIP C	0.10UF
C721,722		CD04B1H100M	ELECTRO	50WV
C723		CK73GB1H104K	CHIP C	0.10UF
C724		CD04B1H100M	ELECTRO	50WV
C725		CK73GB1H104K	CHIP C	0.10UF
C765		CC73GB1H101J	CHIP C	100PF
C769		CK73GB1H104K	CHIP C	0.10UF
C770		CC73GB1H101J	CHIP C	100PF
C900-902		CK73GB1H102K	CHIP C	1000PF
CN3		E41-1848-05	FLAT CABLE CONNECTOR	
CN4 .5		E41-1685-05	PIN ASSY	
CN6		E41-1690-05	PIN ASSY	
CN7		E41-1850-05	FLAT CABLE CONNECTOR	
CN8		E41-1842-05	FLAT CABLE CONNECTOR	
CN9		E41-1684-05	PIN ASSY	
CN11		E41-1425-05	FLAT CABLE CONNECTOR,1.25MM,11P,S	
J1		E63-1424-05	PIN JACK	
J2		E11-0962-05	3.5D PHONE JACK (7P)	
J3		E11-0998-05	3.5D PHONE JACK (4P)	
L1		L92-0089-05	CHIP FERRITE	
L4		L92-0081-05	CHIP FERRITE	
L7		L92-0081-05	CHIP FERRITE	
X1		L78-0754-05	RESONATOR (10MHZ)	
X2		L77-2173-15	CRYSTAL RESONATOR (32.768KHZ)	
X4		L77-2474-05	CRYSTAL OSCILLATOR (22.5792MHZ)	
CP1-6		RK74GB1J101J	CHIP-COM	100
R1 .2		RK73GB2A101J	CHIP R	1/16W
R5 .6		RK73GB2A104J	CHIP R	1/10W
R9 -12		RK73GB2A562J	CHIP R	5.6K
R15 .16		RK73GB2A682J	CHIP R	6.8K
R17 .18		RK73GB2A104J	CHIP R	1/10W
R19 .20		RK73GB2A2R2J	CHIP R	2.2
R21 .22		RK73GB2A122J	CHIP R	1.2K
R23 .24		RK73GB2A101J	CHIP R	1/10W
R25 .26		RK73GB2A221J	CHIP R	220
R27 .28		RK73GB2A101J	CHIP R	1/10W
R29		RK73GB2A102J	CHIP R	1.0K
R31 .32		RK73GB2A101J	CHIP R	1/10W
R33 .34		RK73GB2A104J	CHIP R	100K
R35 .36		RK73GB2A123J	CHIP R	12K
R37 .38		RK73GB2A113J	CHIP R	11K
R39		RK73GB2A101J	CHIP R	100
R41 .42		RK73GB2A101J	CHIP R	100
R44		RK73GB2A2R2J	CHIP R	2.2
R46		RK73GB2A4R7J	CHIP R	4.7
R47		RK73GB2A100J	CHIP R	1/10W
R49		RK73GB2A1R0J	CHIP R	1.0
R51		RK73GB2A181J	CHIP R	180
R52		RK73GB2A103J	CHIP R	10K
R53 .54		RK73GB2A101J	CHIP R	1/10W
R55		RK73GB2A100J	CHIP R	10
R57 .59		RK73GB2A221J	CHIP R	220
R63		RK73GB2A102J	CHIP R	1.0K
R64		RK73GB2A104J	CHIP R	100K

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12						
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R325			RK73GB2A151J	CHIP R	1/10W	
R331			RK73GB2A2R2J	CHIP R	1/10W	
R332			RK73GB2A332J	CHIP R	1/10W	
R333			RK73GB2A223J	CHIP R	1/10W	
R336,337			RK73GB2A101J	CHIP R	1/10W	
R339			RK73GB2A101J	CHIP R	1/10W	
R407,408			RK73GB2A332J	CHIP R	1/10W	
R411,412			RK73GB2A332J	CHIP R	1/10W	
R415,416			RK73GB2A562J	CHIP R	1/10W	
R417,418			RK73GB2A222J	CHIP R	1/10W	
R421,422			RK73GB2A272J	CHIP R	1/10W	
R425,426			RK73GB2A562J	CHIP R	1/10W	
R429-432			RK73GB2A2R2J	CHIP R	1/10W	
R435,436			RK73GB2A331J	CHIP R	1/10W	
R437,438			RK73GB2A2R2J	CHIP R	1/10W	
R439			RK73GB2A101J	CHIP R	1/10W	
R441			RK73GB2A102J	CHIP R	1/10W	
R501,502			RK73GB2A101J	CHIP R	1/10W	
R503,504			RK73GB2A104J	CHIP R	1/10W	
R551			RK73GB2A100J	CHIP R	1/10W	
R601-603			RK73GB2A101J	CHIP R	1/10W	
R604			RK73GH2A113D	CHIP R	1/10W	
R605			RK73GH2A222D	CHIP R	1/10W	
R606			RK73GH2A562D	CHIP R	1/10W	
R607			RK73GH2A335D	CHIP R	1/10W	
R608			RK73GH2A154D	CHIP R	1/10W	
R609			RK73GH2A913D	CHIP R	1/10W	
R610			RK73GH2A623D	CHIP R	1/10W	
R611			RK73GH2A203D	CHIP R	1/10W	
R612			RK73GB2A1R0J	CHIP R	1/10W	
R613			RK73GB2A102J	CHIP R	1/10W	
R614			RK73GB2A100J	CHIP R	1/10W	
R721,722			RK73GB2A101J	CHIP R	1/10W	
R723			RK73GB2A000J	CHIP R	1/10W	
R724			RK73GB2A471J	CHIP R	1/10W	
R725			RK73GB2A2R2J	CHIP R	1/10W	
R727			RK73GB2A151J	CHIP R	1/10W	
R728			RK73GB2A103J	CHIP R	1/10W	
R729			RK73GB2A123J	CHIP R	1/10W	
R730-733			RK73GB2A101J	CHIP R	1/10W	
R735			RK73GB2A000J	CHIP R	1/10W	
R739			RK73GB2A2R2J	CHIP R	1/10W	
R740			RK73GB2A101J	CHIP R	1/10W	
R742			RK73GB2A2R2J	CHIP R	1/10W	
R743,744			RK73GB2A101J	CHIP R	1/10W	
R746-748			RK73GB2A101J	CHIP R	1/10W	
R758			RK73GB2A151J	CHIP R	1/10W	
R762			RK73GB2A181J	CHIP R	1/10W	
R763-765			RK73GB2A101J	CHIP R	1/10W	
R799			RK73GB2A103J	CHIP R	1/10W	
R802,803			RK73GB2A181J	CHIP R	1/10W	
R804			RK73GB2A131J	CHIP R	1/10W	
R805			RK73GB2A181J	CHIP R	1/10W	
R808			RK73GB2A430J	CHIP R	1/10W	
R809,810			RK73GB2A000J	CHIP R	1/10W	
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
11						
Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R215			RK73GB2A132J	CHIP R	1/10W	
R216			RK73GB2A101J	CHIP R	1/10W	
R217			RK73GB2A473J	CHIP R	1/10W	
R218			RK73GB2A101J	CHIP R	1/10W	
R221-223			RK73GB2A101J	CHIP R	1/10W	
R224			RK73GB2A102J	CHIP R	1/10W	
R225			RK73GB2A104J	CHIP R	1/10W	
R226,227			RK73GB2A100J	CHIP R	1/10W	
R228-232			RK73GB2A101J	CHIP R	1/10W	
R233			RK73GB2A473J	CHIP R	1/10W	
R234			RK73GB2A102J	CHIP R	1/10W	
R235			RK73GB2A101J	CHIP R	1/10W	
R237			RK73GB2A101J	CHIP R	1/10W	
R238			RK73GB2A132J	CHIP R	1/10W	
R239			RK73GB2A332J	CHIP R	1/10W	
R241,242			RK73GB2A221J	CHIP R	1/10W	
R243			RK73GB2A104J	CHIP R	1/10W	
R247			RK73GB2A221J	CHIP R	1/10W	
R248			RK73GB2A000J	CHIP R	1/10W	
R249,250			RK73GB2A103J	CHIP R	1/10W	
R251			RK73GB2A102J	CHIP R	1/10W	
R252			RK73GB2A473J	CHIP R	1/10W	
R253			RK73GB2A333J	CHIP R	1/10W	
R254			RK73GB2A391J	CHIP R	1/10W	
R255,256			RK73GB2A101J	CHIP R	1/10W	
R257,258			RK73GB2A4R7J	CHIP R	1/10W	
R259			RK73GB2A222J	CHIP R	1/10W	
R260			RK73GB2A681J	CHIP R	1/10W	
R261,262			RK73GB2A102J	CHIP R	1/10W	
R263,264			RK73GB2A303J	CHIP R	1/10W	
R265,266			RK73GB2A101J	CHIP R	1/10W	
R267,268			RK73GB2A361J	CHIP R	1/10W	
R269,270			RK73GB2A274J	CHIP R	1/10W	
R271,272			RK73GB2A223J	CHIP R	1/10W	
R273,274			RK73GB2A473J	CHIP R	1/10W	
R275			RK73GB2A132J	CHIP R	1/10W	
R276			RK73GB2A332J	CHIP R	1/10W	
R277,278			RK73GB2A4R7J	CHIP R	1/10W	
R281			RK73GB2A102J	CHIP R	1/10W	
R282,283			RK73GB2A104J	CHIP R	1/10W	
R284			RK73GB2A102J	CHIP R	1/10W	
R285			RK73GB2A1R0J	CHIP R	1/10W	
R286			RK73GB2A103J	CHIP R	1/10W	
R287			RK73GB2A1R0J	CHIP R	1/10W	
R288,289			RK73GB2A223J	CHIP R	1/10W	
R291,292			RK73GB2A103J	CHIP R	1/10W	
R293-297			RK73GB2A472J	CHIP R	1/10W	
R298,300			RK73GB2A332J	CHIP R	1/10W	
R301-303			RK73GB2A132J	CHIP R	1/10W	
R304-306			RK73GB2A332J	CHIP R	1/10W	
R307-309			RK73GB2A101J	CHIP R	1/10W	
R318			RK73GB2A100J	CHIP R	1/10W	
R320			RK73GB2A4R7J	CHIP R	1/10W	
R321-323			RK73GB2A472J	CHIP R	1/10W	
R324			RK73GB2A752J	CHIP R	1/10W	
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
10						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
9						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
6						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
2						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
1						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
0						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-1						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-3						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-4						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-5						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-6						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
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-10						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
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* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-12						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-13						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-14						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-15						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-16						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-17						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-18						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-19						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-20						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-21						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-22						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-23						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-24						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-25						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-26						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-27						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-28						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-29						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-30						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-31						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-32						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-33						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-34						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-35						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-36						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-37						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-38						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-39						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-40						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-41						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-42						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-43						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-44						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-45						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-46						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-47						
* New parts						
Parts without Parts No. are not supplied.						
Les articles non mentionnés dans le Parts No. ne sont pas fournis.						
Teile ohne Parts No. werden nicht geliefert.						
-48						
* New parts						
Parts without Parts No. are not supplied.</						

PARTS LIST

* New parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C19			CE32B1C101M	100UF		
C22			CK73GB1H682K	6800PF	16WV	
C24			CK73GB1A105K	1.0UF	K	
C25			CK73GB1H331J	330PF	K	
C27			CK73GB1H472K	4700PF	K	
C29			CC73GCH1H331J	330PF	J	
C30			CK73GB1A105K	1.0UF	K	
C33			CK73GB1H682K	6800PF	K	
C34			CE32B1C101M	47UF	6.3WV	
C38			CK73GB1H682K	6800PF	K	
C39			CK73GB1A105K	1.0UF	K	
C41			CK73GB1H223K	0.022UF	K	
C42			CK73GB1H332K	3300PF	K	
C43			CK73GB1A334K	0.33UF	K	
C44			CK73FB0J475K	4.7UF	K	
C45			CK73GB1H104K	0.10UF	K	
C46			CK73GCH1H681J	680PF	J	
C47			CK73GB1H223K	0.022UF	K	
C48			CK73GB1A105K	1.0UF	K	
C49			CK73FB0J106K	10UF	K	
C50			CE32B1C101M	47UF	6.3WV	
C51			CK73GB1H104K	0.10UF	K	
C52			CC73GCH1H102J	1000PF	J	
C53			CK73GB1C823K	0.082UF	K	
C54			CC73GCH1H102J	1000PF	J	
C55			CK73GB1A334K	0.33UF	K	
C57			CK73GB1A105K	1.0UF	K	
C58			CE32B1C101M	47UF	6.3WV	
C59			CK73GB1H104K	0.10UF	K	
C63, 64			CK73GB1H104K	0.10UF	K	
C65, 66			CC73GCH1H100D	10PF	D	
C67			CK73GB1H102K	1000PF	K	
C75			CK73GB1H104K	0.10UF	K	
C76			CK73GB1H103K	0.010UF	K	
C111-116			CK73GB1H102K	1000PF	K	
CN1			E41-1304-05	FLAT CABLE CONNECTOR, 18P		
CN2			E41-1311-05	FLAT CABLE CONNECTOR, 23P		
CN5			E41-1656-05	FLAT CABLE CONNECTOR, 6P		
L1			L41-1001-28	SMALL FIXED INDUCTOR (100H, K)		
X1			L77-2473-05	CRYSTAL RESONATOR (33.8668MHz)		
CP1			RK74GA1J101J	CHIP-COM	100	1/16W
CP2-4			RK74GA1J103J	CHIP-COM	10K	1/16W
CP11, 12			RK74GA1J101J	CHIP-COM	100	1/16W
R1-5			RK73GB2A750J	CHIP R	75	1/10W
R6, 7			RK73GB2A104J	CHIP R	100K	1/10W
R10			RK73GB2A1R0J	CHIP R	1.0	1/10W
R11			RK73GB2A2R2J	CHIP R	2.2	1/10W
R12			RK73GB2A563J	CHIP R	56K	1/10W
R13			RK73GB2A333J	CHIP R	33K	1/10W
R14			RK73GB2A103J	CHIP R	10K	1/10W
R15			RK73GB2A101J	CHIP R	100	1/10W
R16			RK73GB2A103J	CHIP R	10K	1/10W
R17-19			RK73GB2A101J	CHIP R	1.0	1/10W
R20			RK73GB2A101J	CHIP R	100	1/10W

Δ Indicates safety critical components.
K: USA P: Canada R: Mexico C: China I: Malaysia
T: England E: Europe G: Germany V: China (Shanghai)
X: Australia Q: Russia H: Korea M: Other Areas

* New parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

13

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R812			RK73GB2A000J	CHIP R	1/10W	
R814			RK73GB2A000J	CHIP R	1/10W	
R900			RK73GB2A100J	CHIP R	1/10W	
R901-903			RK73GB2A000J	CHIP R	1/10W	
R904, 905			RK73GB2A100J	CHIP R	1/10W	
D1, 2			UDZW5.6(B)	ZENER DIODE		
D3			UDZW2.4(B)	ZENER DIODE		
D4			1SS402-F	DIODE		
D5, 6			1SS355	DIODE		
D7			UDZW5.1(B)	ZENER DIODE		
D8			UDZW4.7(B)	ZENER DIODE		
D9			1SS302-F	DIODE		
D10, 11			1SS355	DIODE		
D12			UDZW4.3(B)	ZENER DIODE		
D13, 14			UDZW18(B)	ZENER DIODE		
IC1			WM8776SEFT/RV	MOS-IC		
IC2			WM8716SEDS/R	MOS-IC		
IC3			74HC175PW	MOS-IC		
IC5			NJM4556MD-ZB	ANALOGUE IC		
IC7			XC61CN4002MRN	ANALOGUE IC		
IC8			TA8408SG(J)	MOS-IC		
IC10			M30622NGRE5GCP	MICROCONTROLLER IC		
IC11			M24C08-RD61P	ROM IC		
IC13			74AHC1G08GW	MOS-IC		
IC14			AD1940YSTZRL	MOS-IC		
IC16			NJM4556MD-ZB	ANALOGUE IC		
IC17			XC6203P352FR1	ANALOGUE IC		
IC19, 20			NJM4556MD-ZB	ANALOGUE IC		
IC21			CD4052BPWR	MOS-IC		
IC22			NJM4556ED-ZB	ANALOGUE IC		
IC23			CD4051BM96	MOS-IC		
IC28			XC6219B332MRN	MOS-IC		
IC29			NJM4556MD-ZB	ANALOGUE IC		
IC32			TC74HCT7007FF	MOS-IC		
IC33			AK4122VQ	MOS-IC		
Q1, 2			2SC2878(B)-F	TRANSISTOR		
Q4			DTA124EUA	DIGITAL TRANSISTOR		
Q5			2SC4081(R, S)	TRANSISTOR		
Q6			2SA954-A(L, K)	DIGITAL TRANSISTOR		
Q7			DTA124EUA	DIGITAL TRANSISTOR		
Q8			2SC2003-A(L, K)	TRANSISTOR		
Q9			DTA143TSA	DIGITAL TRANSISTOR		
Q12-14			UMG11N	TRANSISTOR		
Q15			DTA123JUA	DIGITAL TRANSISTOR		
Q16			2SK879-FY, GR	FET		
Q17			2SD1963(R, S)	TRANSISTOR		
Q18			2SA1576A(R, S)	TRANSISTOR		
Q19			2SC4081(R, S)	TRANSISTOR		
A1			W02-4652-05	OPTIC RECEIVING MODULE		
CD CONTROL (X32-7620-00)						
C11, 12			CK73GB1H104K	CHIP C	0.10UF	K
C13			CK73GB1H102K	CHIP C	1000PF	K
C15-17			CK73GB1H104K	CHIP C	0.10UF	K
C18			CK73FB0J106K	CHIP C	10UF	K

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X: Australia Q: Russia H: Korea M: Other Areas

PARTS LIST

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Parts without **Parts No.** are not supplied.
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15

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
31	3B		J02-1557-05	INSULATOR		
32	2B		J11-0905-08	CLAMPER		
33	2A		J89-0855-18	TRAY		
41	2B		S64-0064-08	LEVER SWITCH		
42	3B		S74-0065-05	LEAF SWITCH		
51	1B		T50-1099-08	YORK		
52	1B		T99-0697-08	MAGNET		
AA			N09-5488-05	TAPTITE SCREW (20-4004-01)		
AB			N09-5544-08	SCREW		
AC			N09-5545-08	SCREW		
AD			N39-2025-48	PAN HEAD SCREW		
AE			N35-2003-48	BINDING HEAD SCREW		
AF			N83-2006-48	PAN HEAD TAPTITE SCREW		
DM	3B		A11-1223-08	SUB CHASSIS		
FM	3B		T42-0817-08	MOTOR ASSY		
LM	2B		T42-1155-08	MOTOR ASSY		
PU	3A		T25-0132-08	PICKUP		

* New parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

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Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R21			RK73GB2A562J	CHIP R	1/10W	
R22			RK73GB2A273J	CHIP R	1/10W	
R23			RK73GB2A222J	CHIP R	1/10W	
R24			RK73GB2A244J	CHIP R	1/10W	
R25			RK73GB2A183J	CHIP R	1/10W	
R26			RK73GB2A102J	CHIP R	1/10W	
R27			RK73GB2A473J	CHIP R	1/10W	
R28			RK73GB2A392J	CHIP R	1/10W	
R29			RK73GB2A273J	CHIP R	1/10W	
R30			RK73GB2A304J	CHIP R	1/10W	
R31			RK73GB2A562J	CHIP R	1/10W	
R32			RK73GB2A273J	CHIP R	1/10W	
R33			RK73GB2A153J	CHIP R	1/10W	
R34			RK73GB2A913J	CHIP R	1/10W	
R36			RK73GB2A562J	CHIP R	1/10W	
R37			RK73GB2A123J	CHIP R	1/10W	
R38			RK73GB2A153J	CHIP R	1/10W	
R39			RK73GB2A2R2J	CHIP R	1/10W	
R40			RK73GB2A103J	CHIP R	1/10W	
R48			RK73GB2A1R0J	CHIP R	1/10W	
R49			RK73GB2A104J	CHIP R	1/10W	
R50			RK73GB2A4R7J	CHIP R	1/10W	
R51			RK73GB2A823J	CHIP R	1/10W	
R52			RK73GB2A821J	CHIP R	1/10W	
R53			RK73GB2A272J	CHIP R	1/10W	
R58			RK73GB2A000J	CHIP R	1/10W	
R59			RK73GB2A2R2J	CHIP R	1/10W	
R61-64			RK73GB2A103J	CHIP R	1/10W	
R65			RK73GB2A105J	CHIP R	1/10W	
R66			RK73GB2A221J	CHIP R	1/10W	
R67-69			RK73GB2A103J	CHIP R	1/10W	
R71-76			RK73GB2A101J	CHIP R	1/10W	
R77-78			RK73GB2A101J	CHIP R	1/10W	
R111-116			RK73GB2A562J	CHIP R	1/10W	
R214			RK73GB2A000J	CHIP R	1/10W	
D1 -3			1SS355	DIODE		
IC1			MN6627971BA	MICROCONTROLLER IC		
IC2			BA5824FP	ANALOGUE IC		
Q1			UM6K1N	DUAL FET		
Q2			2SA1577(Q.R)	TRANSISTOR		
Q3			DTC124EUA	DIGITAL TRANSISTOR		
CD MECHANISM (X92-2490-10)						
1	1B		A10-3624-08	CHASSIS		
2	2B		A11-1237-08	SUB CHASSIS		
5	3A		D10-3606-08	ROD		
6	2B		D13-1720-08	GEAR		
7	3B		D13-2605-08	GEAR		
8	1B		D13-2656-08	GEAR		
9	1A		D13-2642-08	GEAR		
10	1A		D15-0458-08	PULLEY		
11	1A		D16-0811-08	BELT		
15	3B		E35-3857-05	FLAT CABLE		
21	3B		G01-4353-05	COMPRESSION SPRING (GLD)		
22	3B		G01-4354-05	COMPRESSION SPRING (SLV)		

L: Scandinavia K: USA P: Canada R: Mexico C: China I: Malaysia
Y: PX(Far East, Hawaii) T: England G: Germany V: China(Shanghai)
Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas
Δ Indicates safety critical components.

R-K711

SPECIFICATIONS

[Amplifier]

Effective output power during STEREO operation

..... 30 W + 30 W RMS (1 kHz, 10 % T.H.D., 6 Ω)

Total harmonic distortion 0.005% (1 kHz, 15 W, 6 Ω)

Tone control characteristics

BASS

(TURN OVER 100 Hz) ± 3.0 dB (at 100 Hz)

(TURN OVER 150 Hz) ± 5.0 dB (at 100 Hz)

(TURN OVER 200 Hz) ± 5.6 dB (at 100 Hz)

MID

(TURN OVER 1 kHz) ± 6.0 dB (at 1 kHz)

(TURN OVER 2 kHz) ± 6.0 dB (at 2 kHz)

(TURN OVER 3 kHz) ± 6.0 dB (at 3 kHz)

TREBLE

(TURN OVER 5 kHz) ± 5.6 dB (at 10 kHz)

(TURN OVER 7 kHz) ± 4.9 dB (at 10 kHz)

(TURN OVER 10 kHz) ± 3.0 dB (at 10 kHz)

D-Bass (+10) +13.5 dB (40 Hz, Vol. 60)

Input terminals (Sensitivity/Impedance)

PHONO (MM) 9 mV / 31 k Ω

LINE (AUX, TAPE) 450 mV / 22 k Ω

LINE (D.AUDIO) 250 mV / 11 k Ω

Output terminals (Level/Impedance)

TAPE 450 mV / 200 Ω

SUB WOOFER PRE OUT 2 V / 620 Ω

[Digital unit]

Sampling frequencies

..... 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz

Supreme EX (CD, D-IN)

Playable frequencies 1 Hz – 44 kHz

Digital input terminals (Sensitivity/Wave length)

Optical -15 dBm – -24 dBm, 660 nm ± 30 nm

[Tuner]

FM tuner

Reception frequency range 87.5 MHz to 108.0 MHz

AM tuner

Reception frequency range 531 kHz to 1,602 kHz

[CD player]

Scanning method Semiconductor laser

D/A Conversion 1 bit

Oversampling 128 fs (11289.6 kHz)

Frequency response 20 Hz to 20 kHz

Signal to noise ratio (TAPE REC OUT) More than 104 dB

[Power Supply, etc.]

Power consumption 70 W

Power consumption (Standby) 0.3 W or less

Dimensions

Width 270 mm (10-5/8")

Height 126 mm (4-15/16")

Depth 369 mm (14-1/2")

Weight (net) 5.6 kg (12.35 lb)

- Design and specifications are subject to change without notice.
- Full performance is not guaranteed in extremely cold environments (under water-freezing temperatures).

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Europe
		X	E
R-K711-B	B	XB	EB
R-K711-S	S	XS	ES

